

**PHOTOGRAPHS**

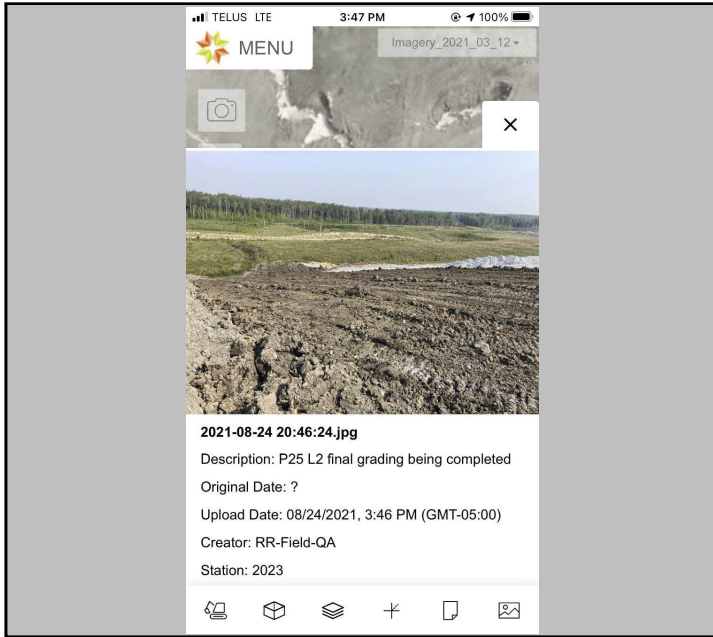


Photo #: 1

P25 L2 final grading being completed

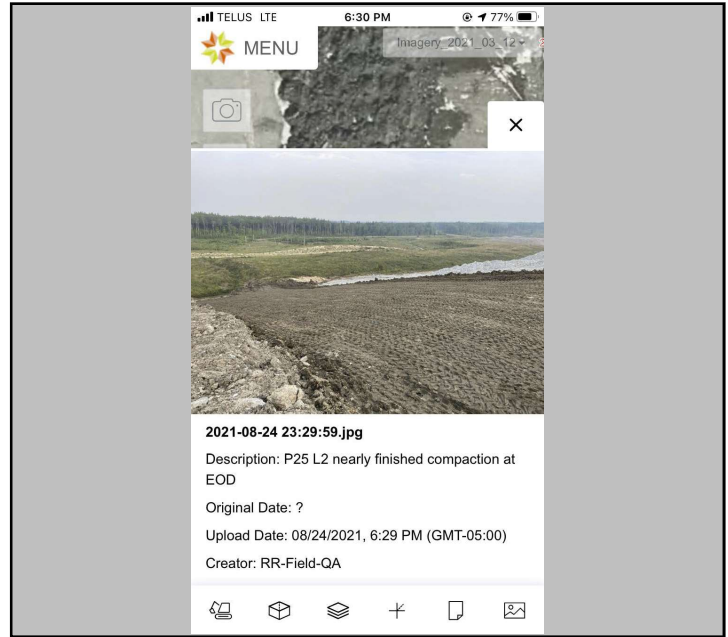


Photo #: 2

P25 L2 nearly finished compaction at EOD



Photo #:



Photo #:

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<b>Date:</b>	August 25, 2021	<b>Owner/Client:</b>	New Gold Inc.
<b>Day:</b>	Wednesday	<b>Okane Project #:</b>	1003-027
<b>Prepared by:</b>	Blake Weinrauch	<b>Project Location:</b>	Ontario

Number of Pages in Report 3

**Environmental Conditions:**

<u>Morning Conditions</u>	Weather	Fair	Precipitation	0 mm
Temperature (High/Low)	18	11	Humidity	20 to 40%
			Wind	Low
<u>Afternoon Conditions</u>	Weather	Clear	Precipitation	0 mm
Temperature (High/Low)	21	18	Humidity	20 to 40%
			Wind	Moderate

**General Comments**

P25, L2:  
 -Final compaction and testing completed in the morning.  
 -One test failed compaction due to being conducted in a very moist area  
 -One test failed compaction due to a high presence of granular material near the probe  
 -Retests conducted in the immediate area, as well as all other tests provided satisfactory results, and the panel was approved.

P25, L3:  
 -Comprised of stockpiled material placed that was put aside as it was unusable in CCL lifts  
 -Issues with survey base system prevented the panel from being surveyed at EOD. Panel cleanup and crest cleanup completed at EOD pending morning survey.

General:  
 -Due to resolving the issue of red areas on the thickness heat map by changing lift thicknesses. No significant low spots have been identified since P05. The issue will be removed from the issues list tomorrow. The issue will be re-added if needed.  
 -S450 collected from stockpile. Proctor from this sample to be used for P26 CCL unless borrow location is modified.  
 -EMRS21\_BP\_P19\_L2\_B20\_210818 borehole permeameter test currently running.  
 -EMRS21\_BP\_P22\_L2\_B21\_210818 borehole permeameter test currently running

CQA Representative:

<original signed by>

Issue #	Description	Location	Resolution	Monitor	Status
1	Increased amounts of oversize rock found in CCL	P01-P07	Oversize is to be removed by the excavator pre-emptively in the piles prior to placement. Remaining rock to be removed by the dozer during.	Yes	Closed
2	Red (low) areas on Tulloch heat maps	P01-P05 CCL	Checks need to be performed to eliminate or fix low spots. Okane to decide to what extent these areas need to be checked (is any amount).	No	Closed
3	Gaps in Tulloch placement map	P05-P06	More of an optics issue opposed to a quality concern. Tulloch informed and working to correct the issue.	Yes	Closed
4	Large amounts of dry material located in piles	P08-P15 P23-P24	Mixing and blending of dry material with moist material or removal of dry material if abundant.	Yes	Closed
5	Issue with waste rock surface beneath the stockpiles around the NE corner	P16-P25	When identified the material in the area has been removed if necessary for Tulloch to reshoot the waste rock and update the waste rock surface.	Yes	Open

PHOTOGRAPHS

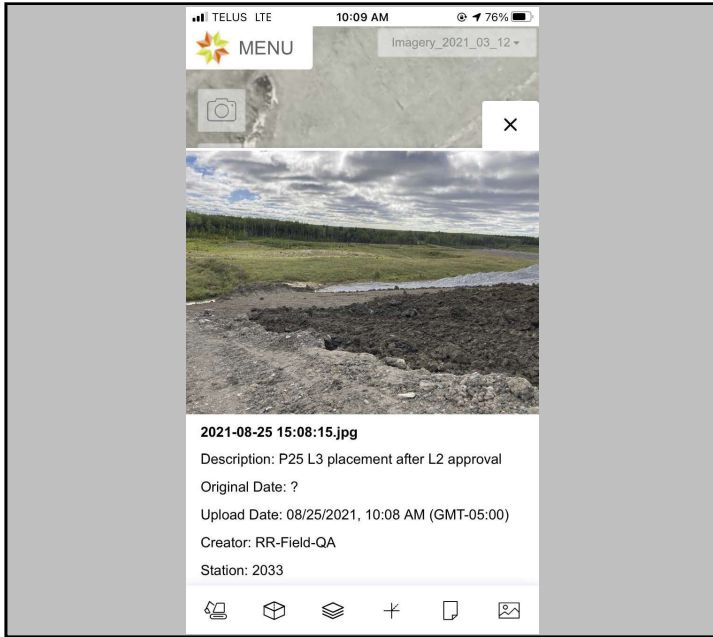


Photo #: 1

P25 L3 placement after L2 approval

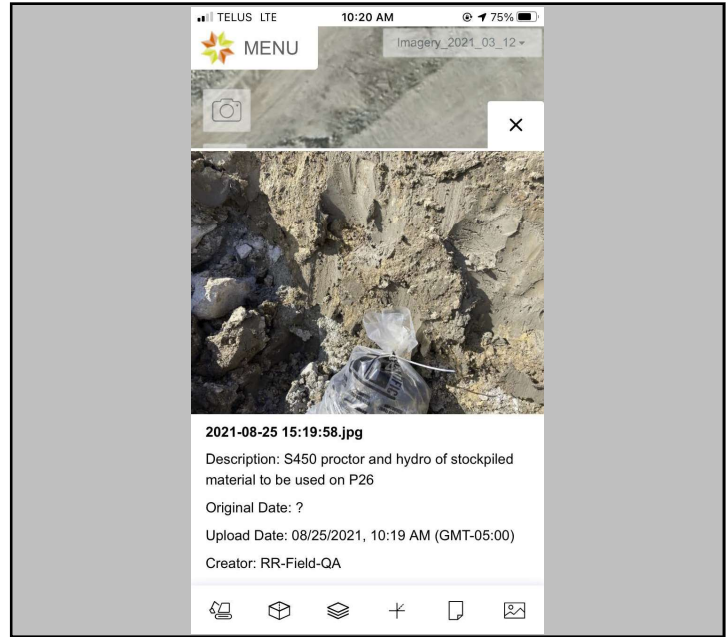


Photo #: 2

S450 collected from stockpile borrow for use in P26 CCL

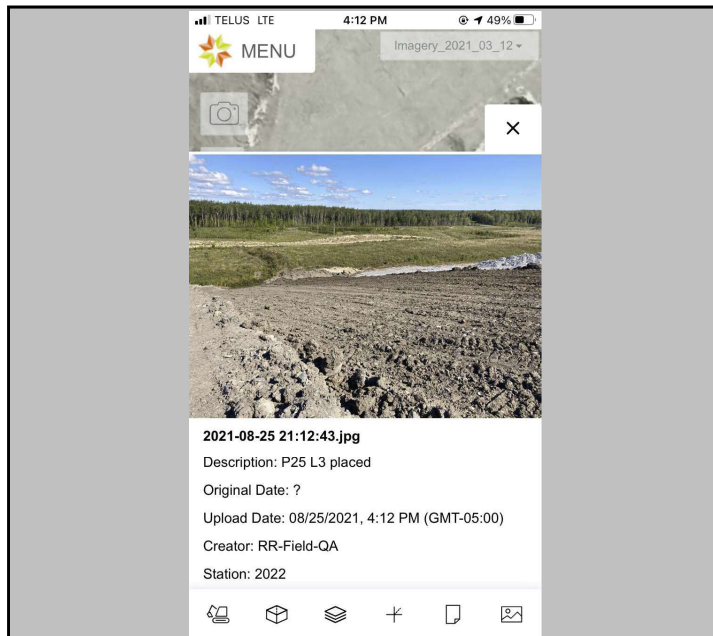


Photo #: 3

P25 L3 placed

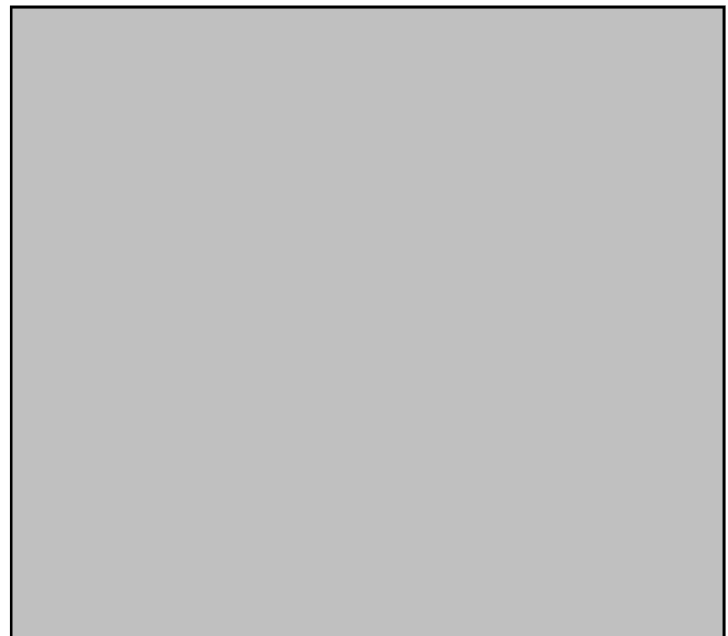


Photo #:

<b>Date:</b>	August 26, 2021	<b>Owner/Client:</b>	New Gold Inc.
<b>Day:</b>	Thursday	<b>Okane Project #:</b>	1003-027
<b>Prepared by:</b>	Blake Weinrauch	<b>Project Location:</b>	Ontario

Number of Pages in Report 4

**Environmental Conditions:**

<u>Morning Conditions</u>	Weather	Fair	Precipitation	0 mm
Temperature (High/Low)	11	6	Humidity	60 to 80%
			Wind	Low
<u>Afternoon Conditions</u>	Weather	Cloudy	Precipitation	0 mm
Temperature (High/Low)	16	11	Humidity	40 to 60%
			Wind	Low

**General Comments**

P25, L2:

-Proctor values were switched for completion of this panel to EMRS21\_PR\_ST\_S435\_210815, as majority of the material used was actively hauled from the stockpile near where this proctor was taken, and would therefore be more representative of the material in the lift.

P25, L3:

-Suitable NCL material  
-Morning survey check determined the lift was under-built, and required more material to be placed. Lift was completed and surveyed by Tulloch

P25, L4:

-Suitable NCL material sourced from stockpiles and overbuild on bench.

General:

-Met with New Gold (Garry) and Tulloch (Mitch) on the south side of the EMRS to discuss plans moving forward. Re-work is required immediately following where last years construction ended, therefore work this year will continue 100-150m north of last years construction stop point. All parties in agreeance that stockpile material quality is extremely poor, and both lifts 1 and 2 will need to be actively hauled from a better source.

-EMRS21\_BP\_P19\_L2\_B20\_210818 borehole permeameter test concluded and decommissioned

-EMRS21\_BP\_P22\_L2\_B21\_210818 borehole permeameter test concluded and decommissioned

-EMRS21\_BP\_P23\_L2\_B22\_210828 installed and wet up

-EMRS21\_BP\_P24\_L2\_B23\_210828 installed and wet up

CQA Representative:

<original signed by>

Issue #	Description	Location	Resolution	Monitor	Status
1	Increased amounts of oversize rock found in CCL	P01-P07	Oversize is to be removed by the excavator pre-emptively in the piles prior to placement. Remaining rock to be removed by the dozer during	Yes	Closed
2	Gaps in Tulloch placement map	P05-P06	More of an optics issue opposed to a quality concern. Tulloch informed and working to correct the issue.	Yes	Closed
3	Large amounts of dry material located in piles	P08-P15 P23-P24	Mixing and blending of dry material with moist material or removal of dry material if abundant.	Yes	Closed
4	Issue with waste rock surface beneath the stockpiles	P16-P25	When identified the material in the area has been removed if necessary for Tulloch to reshoot the waste rock and update the waste rock surface.	Yes	Closed
				-	-

PHOTOGRAPHS

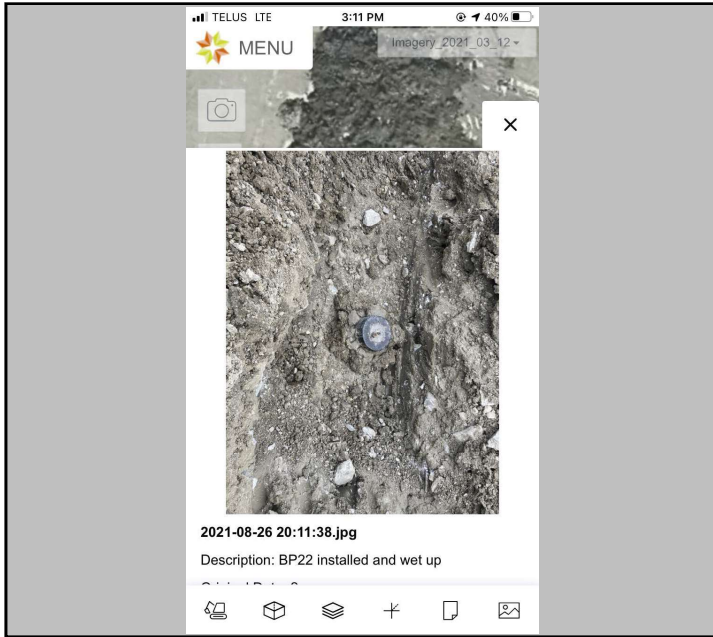


Photo #: 1

BP 22 installed and wet up

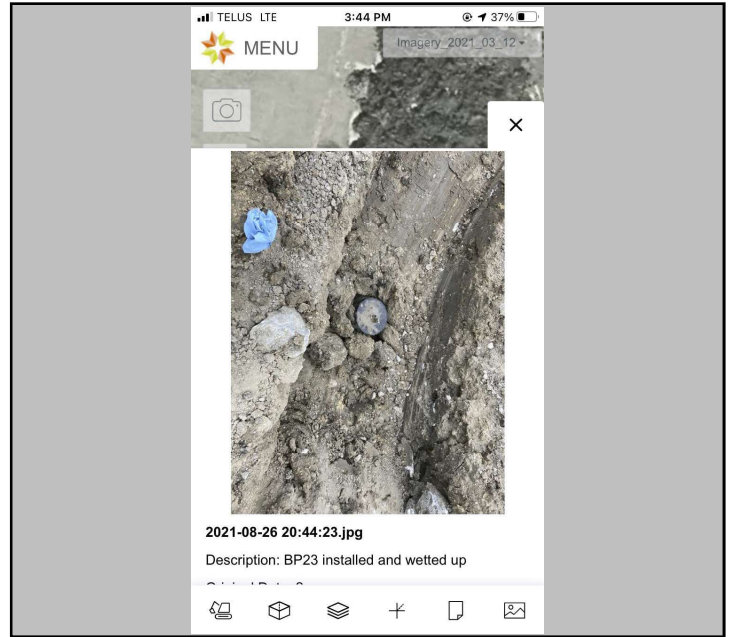


Photo #: 2

BP 23 installed and wet up

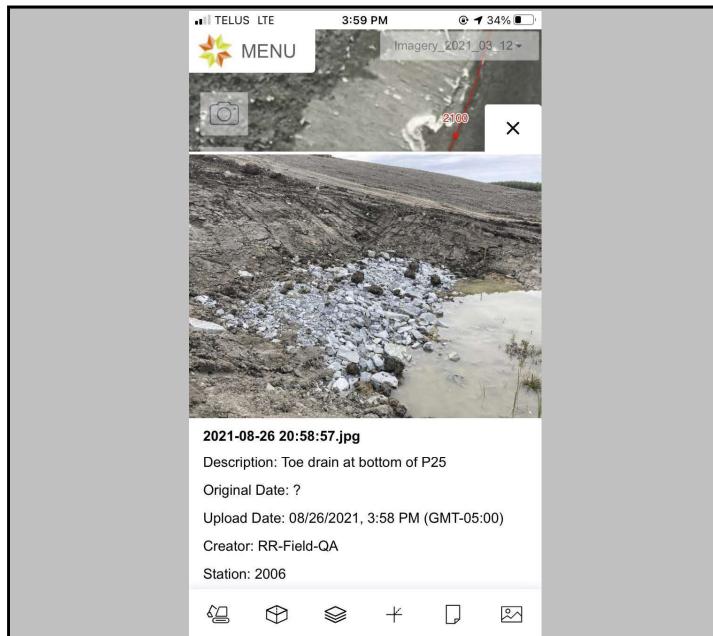


Photo #: 3

Toe drain at bottom of P25

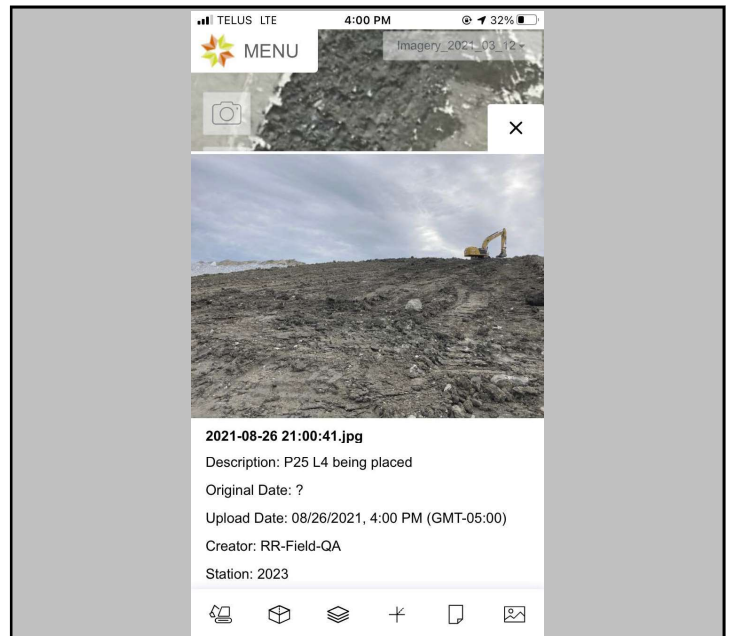


Photo #: 4

P25 L4 placement

**PHOTOGRAPHS**

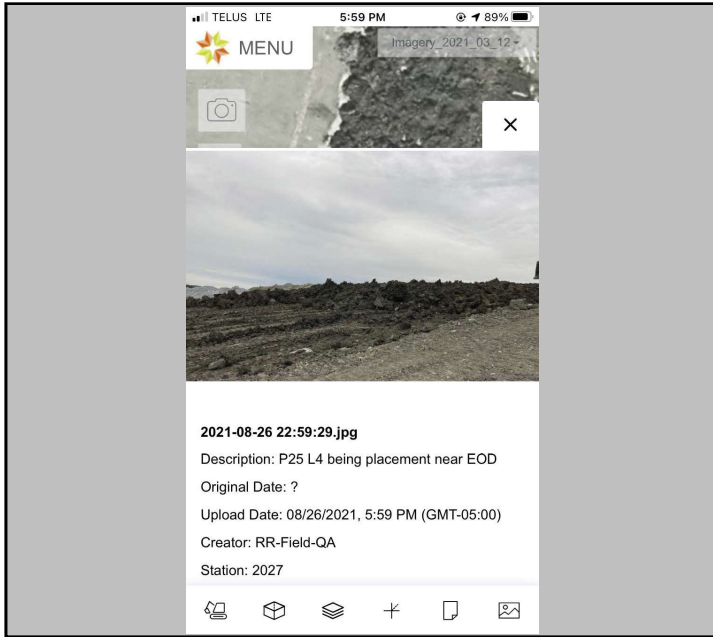


Photo #: 5

P25 L4 placement near EOD

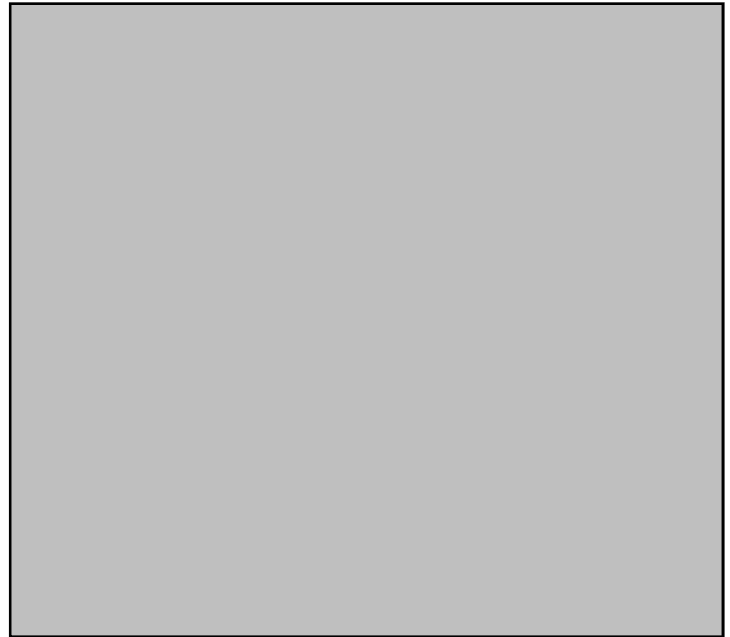


Photo #:



Photo #:



Photo #:

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<b>Date:</b>	August 27, 2021	<b>Owner/Client:</b>	New Gold Inc.
<b>Day:</b>	Friday	<b>Okane Project #:</b>	1003-027
<b>Prepared by:</b>	Blake Weinrauch	<b>Project Location:</b>	Ontario

Number of Pages in Report 3

**Environmental Conditions:**

<u>Morning Conditions</u>	Weather	Fair	Precipitation	0 mm
Temperature (High/Low)	12	9	Humidity	60 to 80%
			Wind	Moderate
<u>Afternoon Conditions</u>	Weather	Rain	Precipitation	5 - 10 mm
Temperature (High/Low)	15	12	Humidity	60 to 80%
			Wind	Low

**General Comments**

P25, L4:

-Suitable NCL material sourced from stockpiles and overbuild on bench, as well as hauled material from further chainage stockpiles.

P26, L1:

-P26 began on south side of EMRS and all equipment was walked over after completion of P25

-Due to very poor stockpile quality, rocky material is actively being sorted through and hauled away.

-Excavator clearing road through stockpiles for CQC to complete crest survey; loading suitable material found in stockpile for use in P26 L1. Proctor collected and will be representative of material used in P26 L1.

-Heavy afternoon rainfall made material very moist; the material at the bottom of the stockpiles appears to be very dark brown, moist, and plastic with some lighter brown Brenna material mixed in.

General:

-EMRS21\_BP\_P23\_L2\_B22\_210826 currently running

-EMRS21\_BP\_P24\_L2\_B23\_210826 currently running

CQA Representative:

<original signed by>

Issue #	Description	Location	Resolution	Monitor	Status
1	Increased amounts of oversize rock found in CCL	P01-P07	Oversize is to be removed by the excavator pre-emptively in the piles prior to placement. Remaining rock to be removed by the dozer during	Yes	Closed
2	Gaps in Tulloch placement map	P05-P06	More of an optics issue opposed to a quality concern. Tulloch informed and working to correct the issue.	Yes	Closed
3	Large amounts of dry material located in piles	P08-P15 P23-P24	Mixing and blending of dry material with moist material or removal of dry material if abundant.	Yes	Closed
4	Issue with waste rock surface beneath the stockpiles	P16-P25	When identified the material in the area has been removed if necessary for Tulloch to reshoot the waste rock and update the waste rock surface.	Yes	Closed
				-	-

**PHOTOGRAPHS**

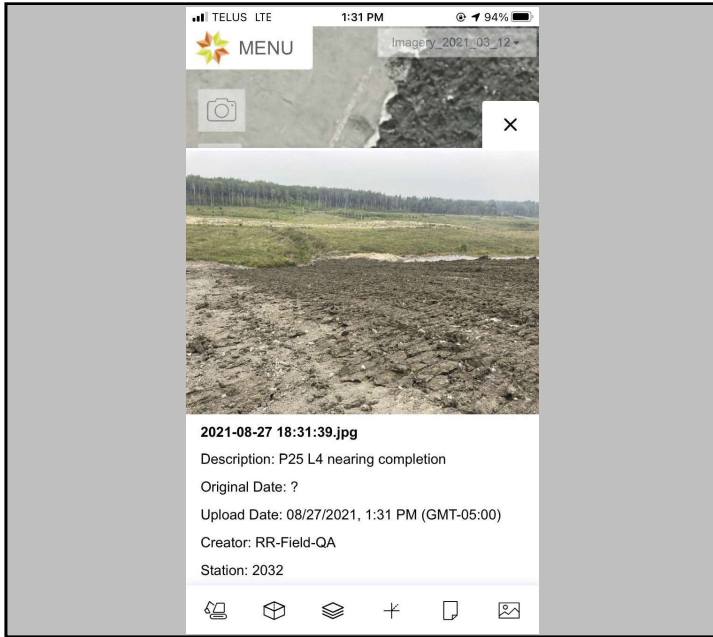


Photo #: 1

Finishing up P25 L4

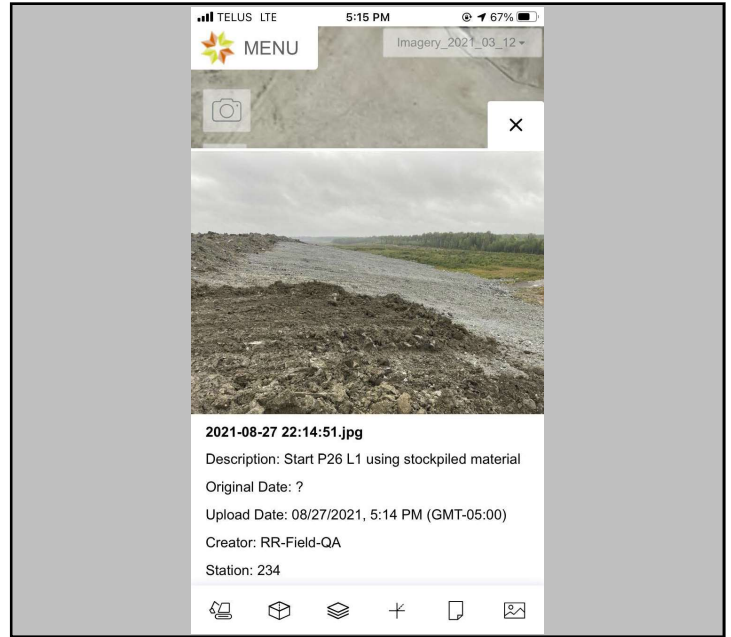


Photo #: 2

P26 L1 material being placed using stockpiled material



Photo #:

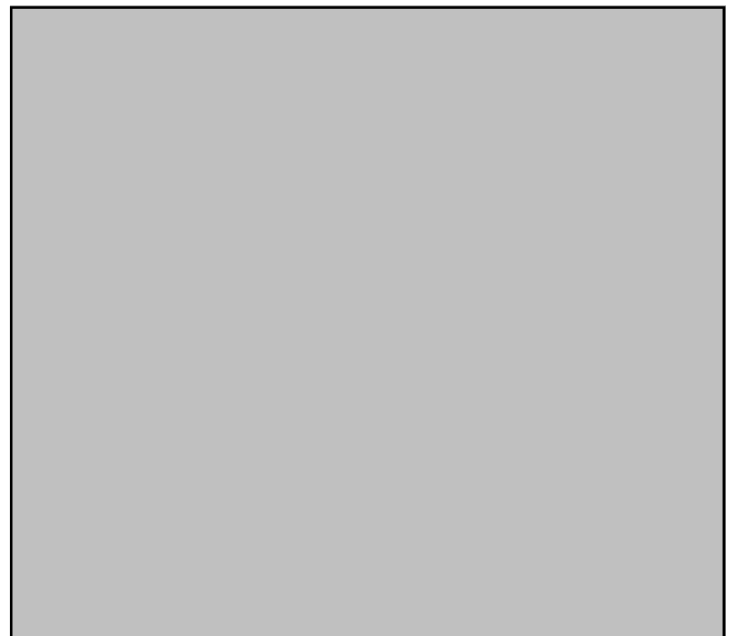


Photo #:

Duplicate Page

<b>Date:</b>	August 28, 2021	<b>Owner/Client:</b>	New Gold Inc.
<b>Day:</b>	Saturday	<b>Okane Project #:</b>	1003-027
<b>Prepared by:</b>	Blake Weinrauch	<b>Project Location:</b>	Ontario

Number of Pages in Report 3

**Environmental Conditions:**

<u>Morning Conditions</u>	Weather	Cloudy	Precipitation	0 mm
Temperature (High/Low)	20	14	Humidity	80 to 100%
			Wind	Low
<u>Afternoon Conditions</u>	Weather	Showers	Precipitation	5 - 10 mm
Temperature (High/Low)	22	20	Humidity	60 to 80%
			Wind	Low

**General Comments**

P26, L1:  
 -Due to very poor stockpile quality, rocky material is actively being sorted through and hauled away from the crest of the slope.  
 -Afternoon rainfall made material very moist; the material at the bottom of the stockpiles appears to be dark brown, moist, and plastic with lighter brown Brenna material mixed in, and contains a moderate amount of rock.

General:  
 -EMRS21\_BP\_P23\_L2\_B22\_210826 currently running  
 -EMRS21\_BP\_P24\_L2\_B23\_210826 currently running

CQA Representative:

<original signed by>

Issue #	Description	Location	Resolution	Monitor	Status
1	Increased amounts of oversize rock found in CCL	P01-P07	Oversize is to be removed by the excavator pre-emptively in the piles prior to placement. Remaining rock to be removed by the dozer during	Yes	Closed
2	Gaps in Tulloch placement map	P05-P06	More of an optics issue opposed to a quality concern. Tulloch informed and working to correct the issue.	Yes	Closed
3	Large amounts of dry material located in piles	P08-P15 P23-P24	Mixing and blending of dry material with moist material or removal of dry material if abundant.	Yes	Closed
4	Issue with waste rock surface beneath the stockpiles	P16-P26	When identified the material in the area has been removed if necessary for Tulloch to reshoot the waste rock and update the waste rock surface.	Yes	Closed
				-	-

PHOTOGRAPHS

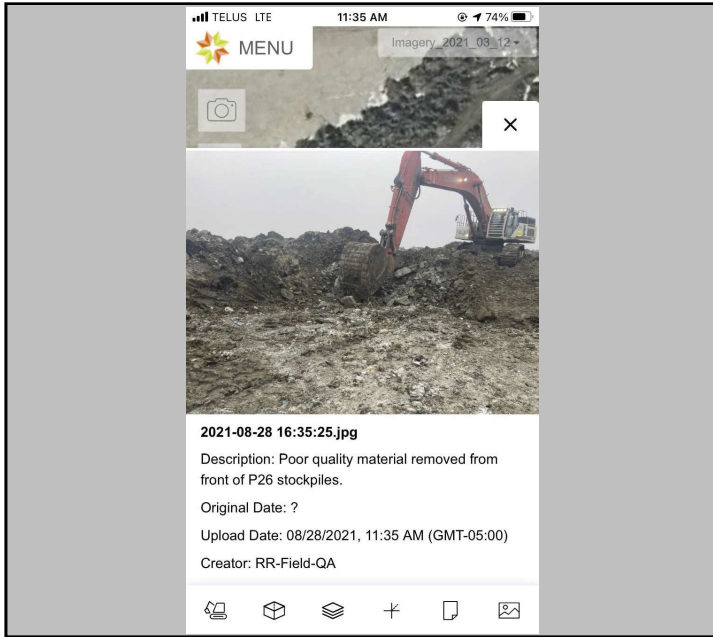


Photo #: 1

Poor quality material removed from front of P26 stockpiles

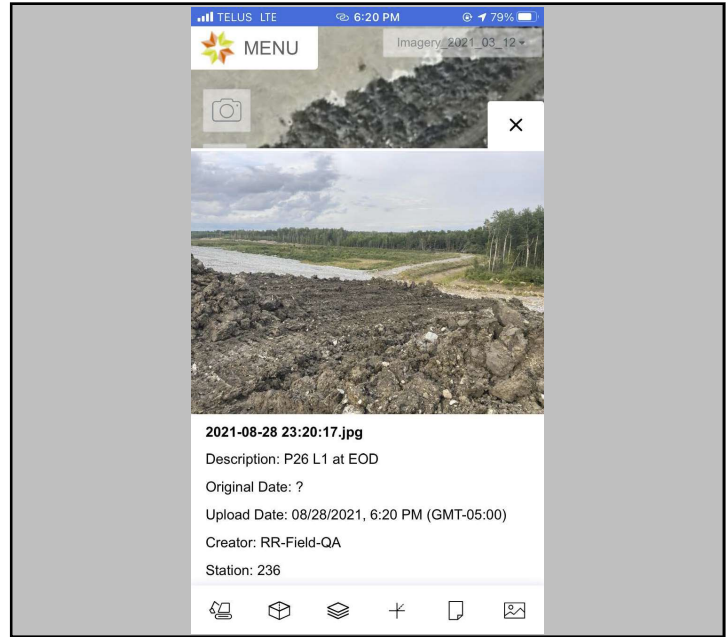


Photo #: 2

P26 L1 at EOD

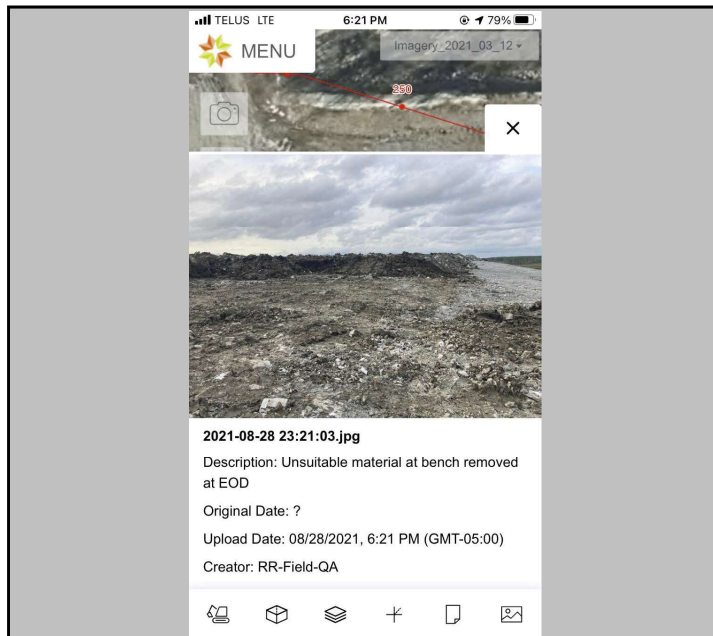


Photo #: 3

P26 bench material removed at EOD

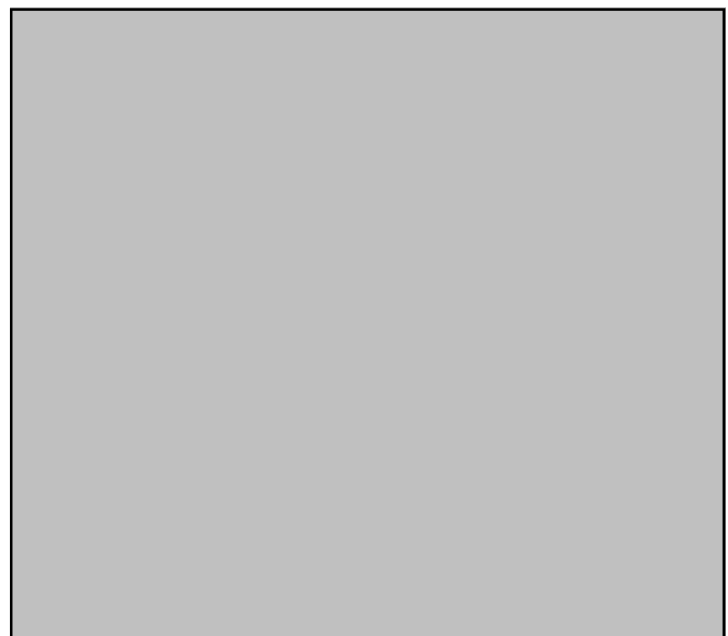


Photo #:

<b>Date:</b>	August 29 2021	<b>Owner/Client:</b>	New Gold Inc.
<b>Day:</b>	Sunday	<b>Okane Project #:</b>	1003-027
<b>Prepared by:</b>	Blake Weinrauch	<b>Project Location:</b>	Ontario

Number of Pages in Report 3

**Environmental Conditions:**

<u>Morning Conditions</u>	Weather	Showers	Precipitation	0 - 5 mm
Temperature (High/Low)	16	14	Humidity	80 to 100%
			Wind	Low
<u>Afternoon Conditions</u>	Weather	Cloudy	Precipitation	Choose from list
Temperature (High/Low)	20	16	Humidity	60 to 80%
			Wind	Moderate

**General Comments**

P26, L1:  
-Extreme overnight/morning rain made the EMRS unworkable. No work was completed.

General:  
-EMRS21\_BP\_P23\_L2\_B22\_210826 currently running  
-EMRS21\_BP\_P24\_L2\_B23\_210826 currently running

CQA Representative:

<original signed by>

Issue #	Description	Location	Resolution	Monitor	Status
1	Increased amounts of oversize rock found in CCL	P01-P07	Oversize is to be removed by the excavator pre-emptively in the piles prior to placement. Remaining rock to be removed by the dozer during	Yes	Closed
2	Gaps in Tulloch placement map	P05-P06	More of an optics issue opposed to a quality concern. Tulloch informed and working to correct the issue.	Yes	Closed
3	Large amounts of dry material located in piles	P08-P15 P23-P24	Mixing and blending of dry material with moist material or removal of dry material if abundant.	Yes	Closed
4	Issue with waste rock surface beneath the stockpiles	P16-P26	When identified the material in the area has been removed if necessary for Tulloch to reshoot the waste rock and update the waste rock surface.	Yes	Closed
				-	-

**PHOTOGRAPHS**



Photo #:



Photo #:



Photo #:

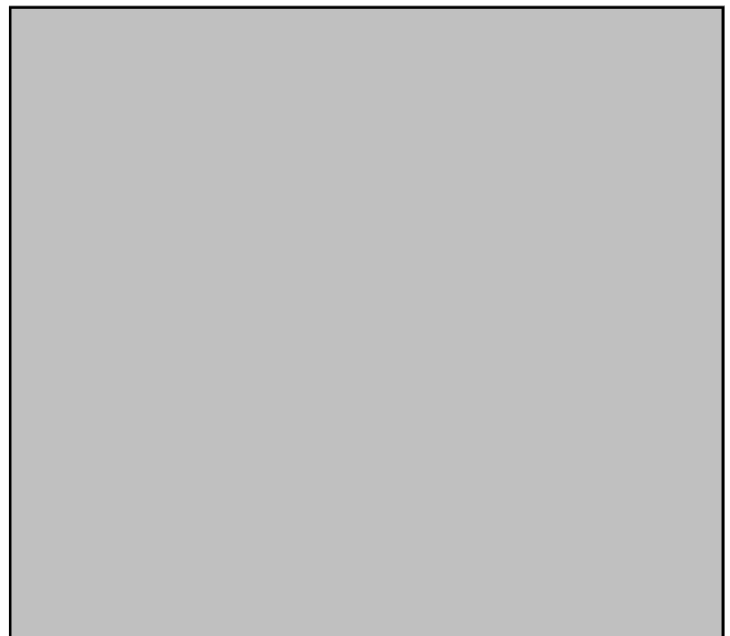


Photo #:

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<b>Date:</b>	August 30, 2021	<b>Owner/Client:</b>	New Gold Inc.
<b>Day:</b>	Monday	<b>Okane Project #:</b>	1003-027
<b>Prepared by:</b>	Blake Weinrauch	<b>Project Location:</b>	Ontario

Number of Pages in Report 4

**Environmental Conditions:**

<u>Morning Conditions</u>	Weather	Cloudy	Precipitation	0 mm
Temperature (High/Low)	16	12	Humidity	80 to 100%
			Wind	Low
<u>Afternoon Conditions</u>	Weather	Fair	Precipitation	0 mm
Temperature (High/Low)	23	16	Humidity	40 to 60%
			Wind	Low

**General Comments**

P26, L1:  
 -Material placement completed to key trench area.  
 -Operators and CQA informed that the base rock surface was overbuilt based on its design elevation after Mine Ops review, and construction was to stop immediately.  
 -P26 abandoned

P27, L1:  
 -Continuation from 2020 construction season heading north.  
 -CQA marked out CCL tie in with previous year panel, and the 2020 construction was trimmed.  
 -All organic and dry material was removed from stockpiles, and the stockpiles appeared to be very good quality WML material, with some large patches of Brenna material, and a very low volume of rock.  
 -CQA identified some areas of Brenna material to be removed and used in NCL  
 -Key trench terminated at a depth of 0.5m to 1.5m on bedrock. Rainwater in keytrench was removed by the excavator as best as possible before backfilling  
 -Discussions with CQC, CQA, and operators determined it would be most efficient to move a small amount of PAG waste rock that had spilled beyond the key trench area towards the slope to reduce panel size and save material.  
 -Issues with the waste rock base surface near the crest of the panel were identified and the waste rock was exposed for new base survey to be completed and a new surface to be created.

General:  
 -EMRS21\_BP\_P23\_L2\_B22\_210826 currently running  
 -EMRS21\_BP\_P24\_L2\_B23\_210826 blown over by wind. Reset and continued.

CQA Representative:

<original signed by>

Issue #	Description	Location	Resolution	Monitor	Status
1	Increased amounts of oversize rock found in CCL	P01-P07	Oversize is to be removed by the excavator pre-emptively in the piles prior to placement. Remaining rock to be removed by the dozer during	Yes	Closed
2	Gaps in Tulloch placement map	P05-P06	More of an optics issue opposed to a quality concern. Tulloch informed and working to correct the issue.	Yes	Closed
3	Large amounts of dry material located in piles	P08-P15 P23-P24	Mixing and blending of dry material with moist material or removal of dry material if abundant.	Yes	Closed
4	Issue with waste rock surface beneath the stockpiles	P16-P27	When identified the material in the area has been removed if necessary for Tulloch to reshoot the waste rock and update the waste rock surface.	Yes	Closed
				-	-

PHOTOGRAPHS

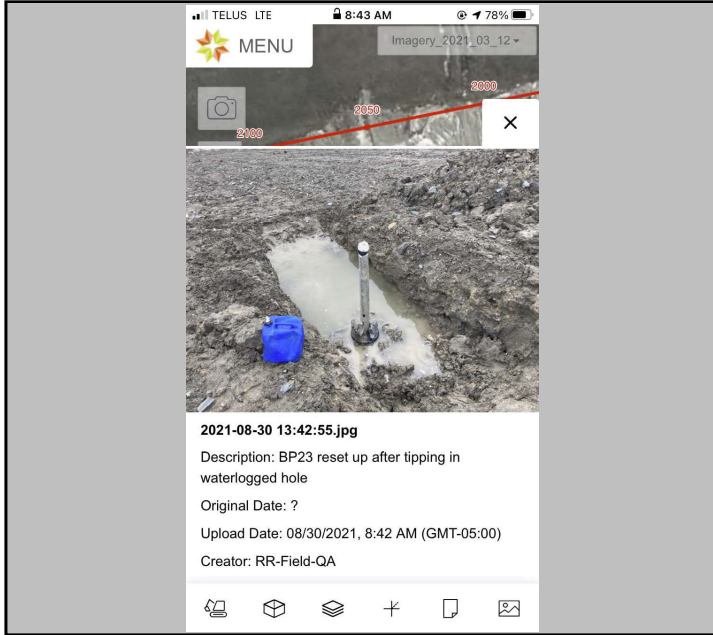


Photo #: 1

BP23 reset after tipping in hole

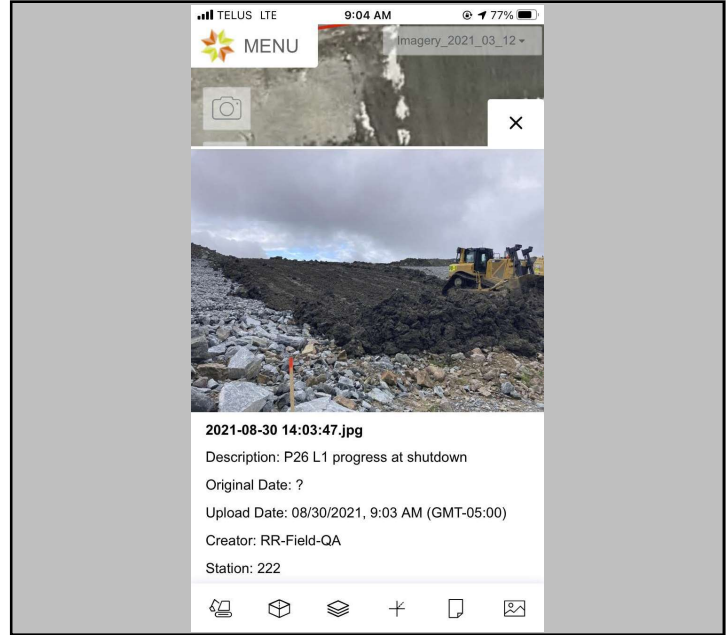


Photo #: 2

P26 L1 progress at shutdown

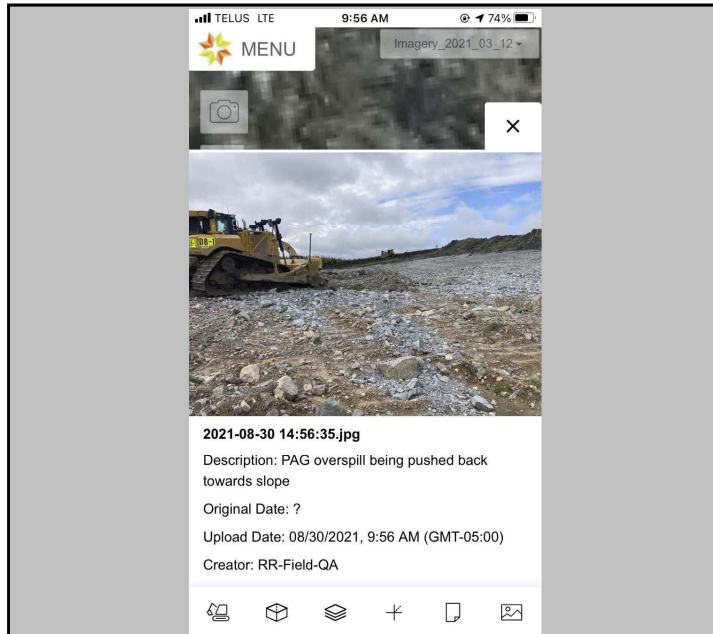


Photo #: 3

PAG overspill being pushed back towards slope

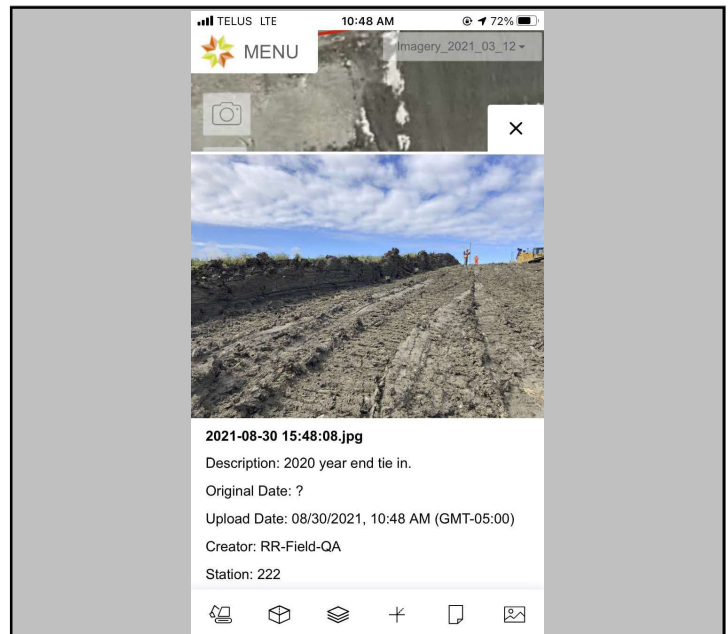


Photo #: 4

2020 year end tie in

**PHOTOGRAPHS**

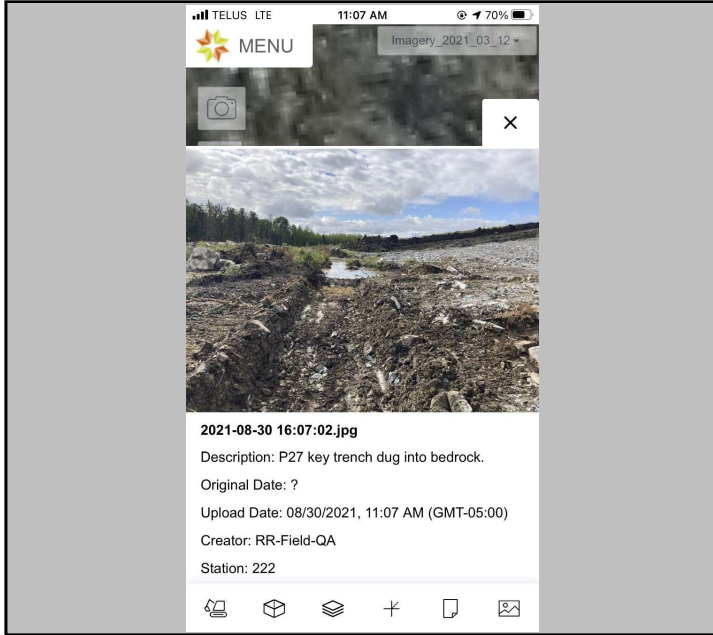


Photo #: 5

P27 key trench dug into bedrock

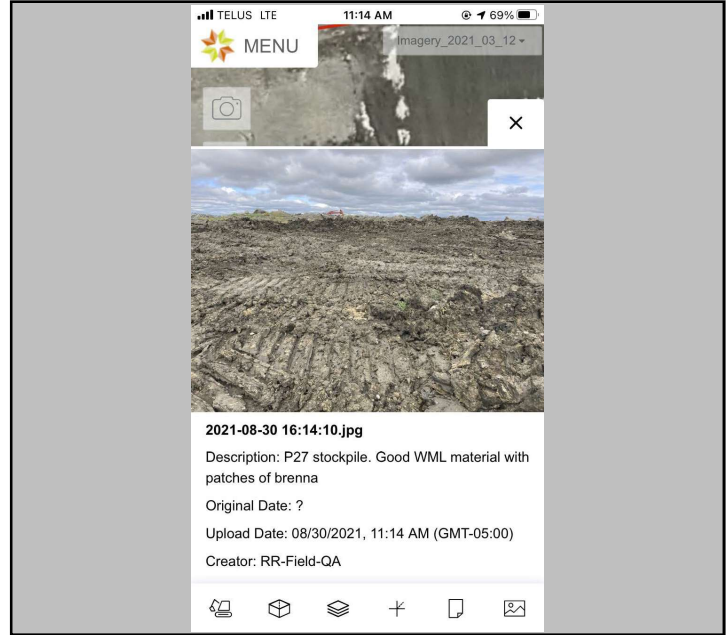


Photo #: 6

P27 stockpile; good WML material with patches of Brenna

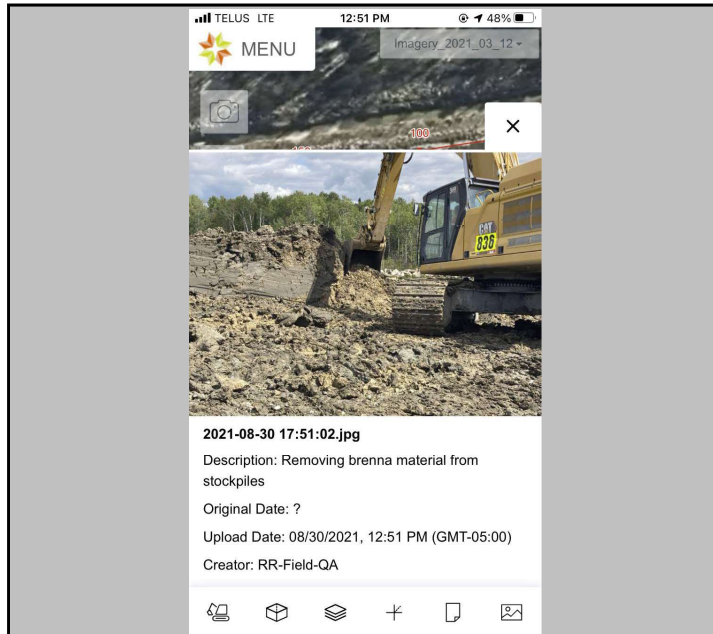


Photo #: 7

Removing Brenna material from stockpiles

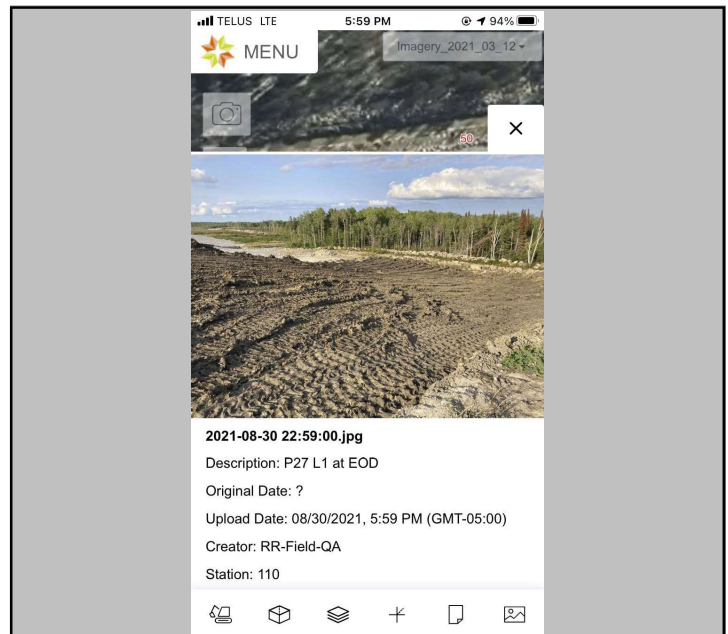


Photo #: 8

P27 L1 progress at EOD

<b>Date:</b>	August 31, 2021	<b>Owner/Client:</b>	New Gold Inc.
<b>Day:</b>	Tuesday	<b>Okane Project #:</b>	1003-027
<b>Prepared by:</b>	Blake Weinrauch	<b>Project Location:</b>	Ontario

Number of Pages in Report 3

**Environmental Conditions:**

<u>Morning Conditions</u>		Weather	Fair	Precipitation	0 mm
Temperature (High/Low)	19   10	Humidity	60 to 80%	Wind	Low
<u>Afternoon Conditions</u>		Weather	Clear	Precipitation	0 mm
Temperature (High/Low)	23   19	Humidity	40 to 60%	Wind	Low

**General Comments**

P27, L1:  
 -Final grading completed in the morning followed by testing of the panel.  
 -Testing on the crest of the panel returned unusually high moisture contents and lower compaction and the recommendation was made by CQA to re-compact the crest.  
 -While re-compacting, the final test was collected on the slope of the lift, and the nuclear densometer returned a moisture content of <100%. The densometer was cleaned of moist clay and the gauge was re-standardized, and results then returned to normal. This error in gauge readings likely caused unusual results on the crest.  
 -Re-testing on the crest after re-compaction still yielded a higher moisture content, but compaction was acceptable and the lift appeared to visually compact very well, and the lift was approved and surveyed.

P27, L2:  
 -Continued placement with material from stockpiles which appeared visually very moist, dark brown, and free from small rock, with some larger rock present. There was small patches of lighter brown Brenna material that were removed for use in L3 and L4.  
 -Began compacting with the sheepsfoot roller and testing near the end of the day, however the panel was too wet to successfully compact; only one nuclear densometer test was collected.  
 -Operators track compacted the lift to assist with drying of the material; compaction will continue in the morning.

General:  
 -EMRS21\_BP\_P23\_L2\_B22\_210826 currently running  
 -EMRS21\_BP\_P24\_L2\_B23\_210826 currently running

CQA Representative:

<original signed by>

Issue #	Description	Location	Resolution	Monitor	Status
1	Increased amounts of oversize rock found in CCL	P01-P07	Oversize is to be removed by the excavator pre-emptively in the piles prior to placement. Remaining rock to be removed by the dozer during	Yes	Closed
2	Gaps in Tulloch placement map	P05-P06	More of an optics issue opposed to a quality concern. Tulloch informed and working to correct the issue.	Yes	Closed
3	Large amounts of dry material located in piles	P08-P15 P23-P24	Mixing and blending of dry material with moist material or removal of dry material if abundant.	Yes	Closed
4	Issue with waste rock surface beneath the stockpiles	P16-P27	When identified the material in the area has been removed if necessary for Tulloch to reshoot the waste rock and update the waste rock surface.	Yes	Closed
				-	-

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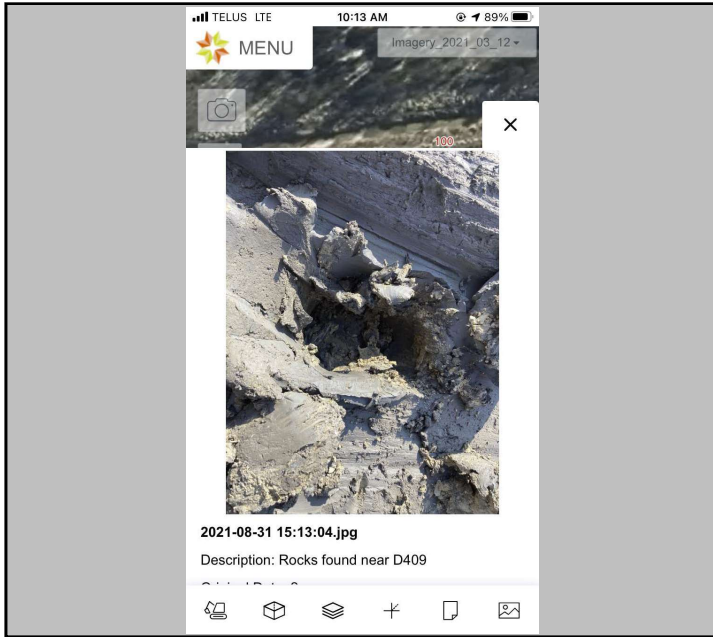


Photo #: 1

Some rocky material found near D409

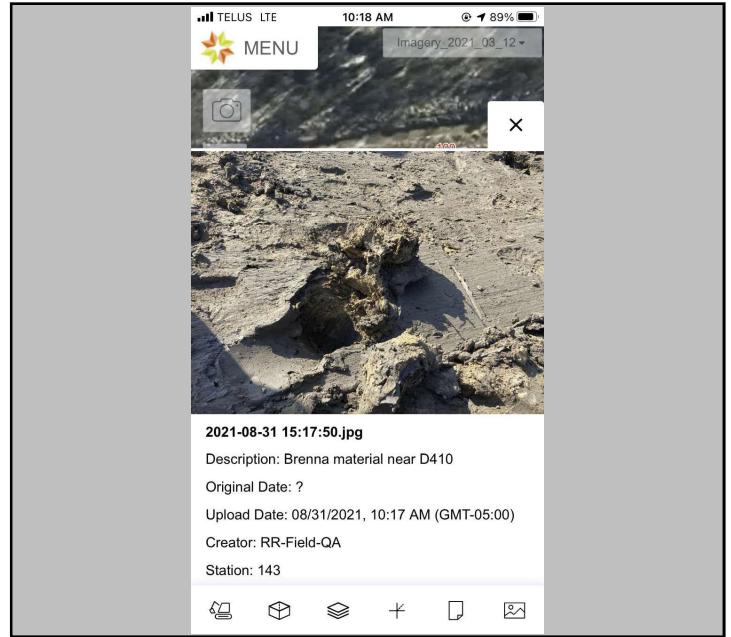


Photo #: 2

Brenna patch near D410

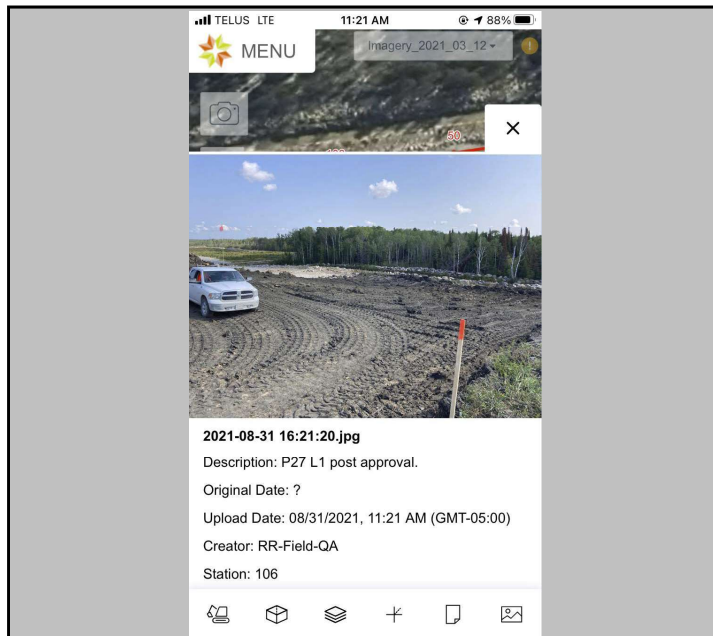


Photo #: 3

P27 L1 post approval

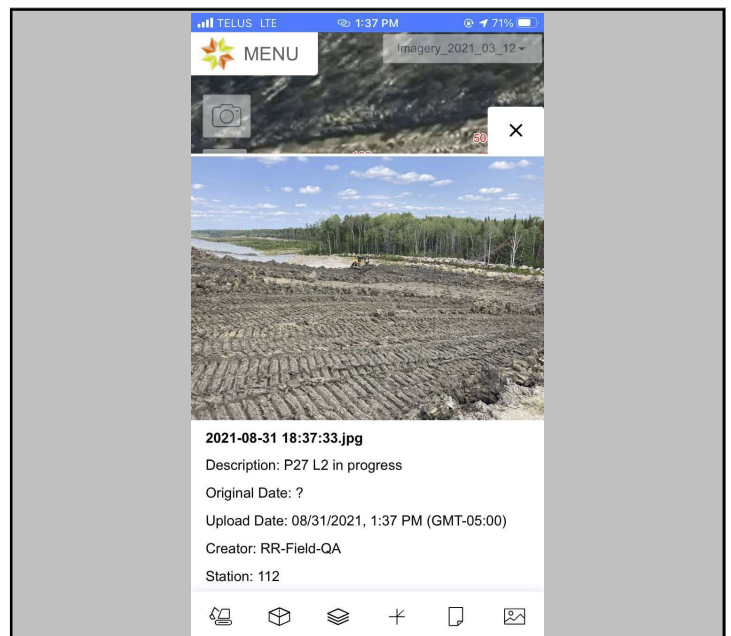


Photo #: 4

P27 L2 in progress

<b>Date:</b>	September 1, 2021	<b>Owner/Client:</b>	New Gold Inc.
<b>Day:</b>	Wednesday	<b>Okane Project #:</b>	1003-027
<b>Prepared by:</b>	Blake Weinrauch	<b>Project Location:</b>	Ontario

Number of Pages in Report 3

**Environmental Conditions:**

<u>Morning Conditions</u>		Weather	Clear	Precipitation	0 mm
Temperature (High/Low)	22   14	Humidity	80 to 100%	Wind	Low
<u>Afternoon Conditions</u>		Weather	Clear	Precipitation	0 mm
Temperature (High/Low)	24   22	Humidity	40 to 60%	Wind	Low

**General Comments**

P27, L2:

- Compaction completed first thing in the morning. Lift had become visibly drier overnight as compared to L1, but material was still dark brown and moist
- CQC had some issues with the nuclear densometer not standardizing. Batteries replaced and the gauge was able to standardize and give accurate readings.
- Results of P27 L2 were generally drier than those of L1 and therefore returned higher compaction's; testing was acceptable and the lift was approved.

P27, L3:

- L3 was placed in a thin lift in order to make sure L2 was sufficiently covered in a timely manner to avoid dessication

General:

- Oversize and spilled PAG waste rock was pulled back from the toe of the slope and removed by the excavator and wiggle. This will reduce the amount of cover construction required.
- EMRS21\_BP\_P23\_L2\_B22\_210826 decommissioned and removed
- EMRS21\_BP\_P24\_L2\_B23\_210826 decommissioned and removed

CQA Representative:

<original signed by>

Issue #	Description	Location	Resolution	Monitor	Status
1	Increased amounts of oversize rock found in CCL	P01-P07	Oversize is to be removed by the excavator pre-emptively in the piles prior to placement. Remaining rock to be removed by the dozer during	Yes	Closed
2	Gaps in Tulloch placement map	P05-P06	More of an optics issue opposed to a quality concern. Tulloch informed and working to correct the issue.	Yes	Closed
3	Large amounts of dry material located in piles	P08-P15 P23-P24	Mixing and blending of dry material with moist material or removal of dry material if abundant.	Yes	Closed
4	Issue with waste rock surface beneath the stockpiles	P16-P27	When identified the material in the area has been removed if necessary for Tulloch to reshoot the waste rock and update the waste rock surface.	Yes	Closed
				-	-

**PHOTOGRAPHS**

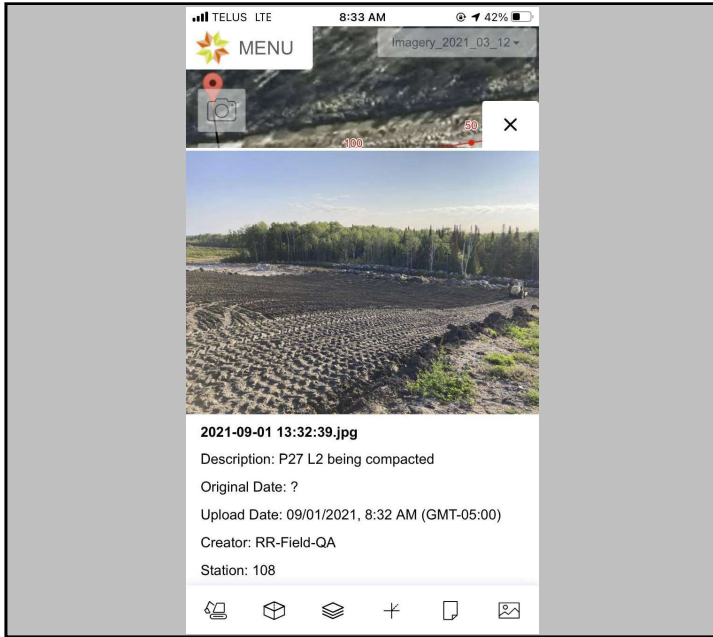


Photo #: 1

P27 being compacted

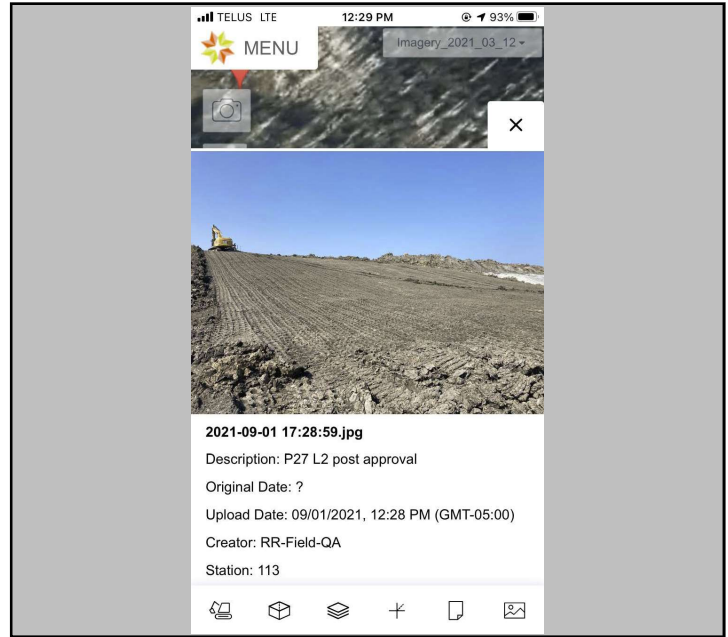


Photo #: 2

P27 L2 post approval

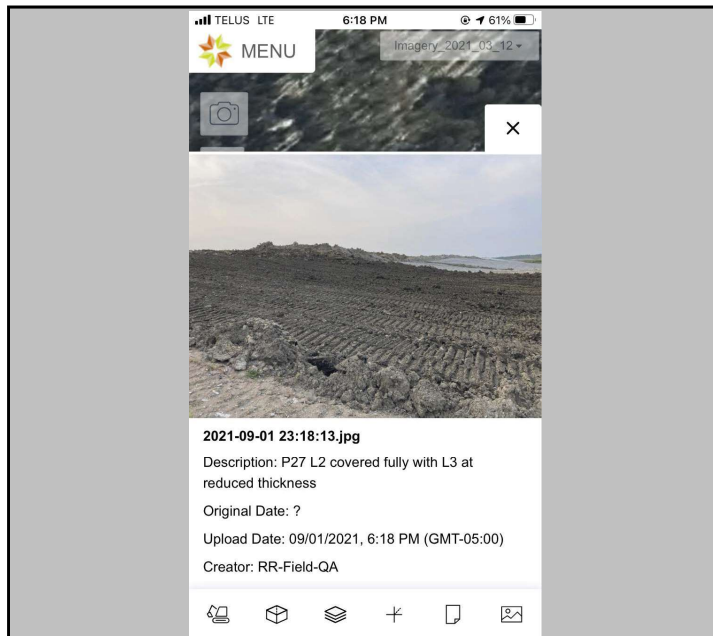


Photo #: 3

P27 L2 covered fully with L3 at reduced thickness

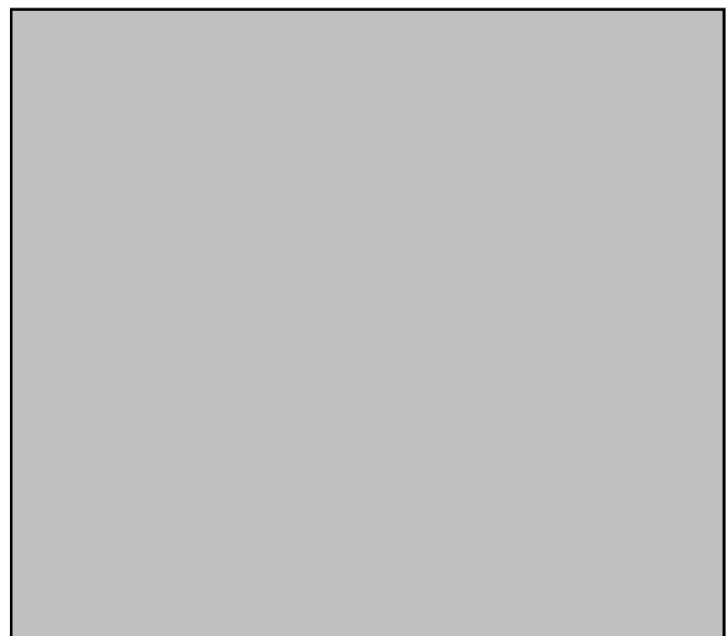


Photo #:

<b>Date:</b>	September 02, 2021	<b>Owner/Client:</b>	New Gold Inc.
<b>Day:</b>	Thursday	<b>Okane Project #:</b>	1003-027
<b>Prepared by:</b>	Brady Hay	<b>Project Location:</b>	Ontario

Number of Pages in Report 4

**Environmental Conditions:**

<u>Morning Conditions</u>	Weather	Cloudy	Precipitation	0 mm
Temperature (High/Low)	16	14	Humidity	60 to 80%
			Wind	Still
<u>Afternoon Conditions</u>	Weather	Rain	Precipitation	10 - 20 mm
Temperature (High/Low)	18	16	Humidity	80 to 100%
			Wind	Low

**General Comments**

P27, L3:  
 - L3 completed to grade and pending survey.  
 - Material suitable for use in NCL.  
 - Afternoon rain resulting in pooling water on lift.

P28, L1:  
 - Key trench completed at varying depths with bedrock reached throughout the excavation.  
 - Stockpiled material used to begin bulk placing L1 due to steady afternoon rain. Material appeared grey with pockets of lighter siltier material, wet, with a low amount of stone.

General:  
 - The exposed CCL from boreholes (EMRS21\_BP\_P23\_L2\_B22\_210826 & EMRS21\_BP\_P24\_L2\_B23\_210826) was inspected for desiccation and is ready to be filled in.  
 - Location for BP24 identified and ready to be excavated when equipment is available.

CQA Representative:

<original signed by>

Issue #	Description	Location	Resolution	Monitor	Status
1	Increased amounts of oversize rock found in CCL	P01-P07	Oversize is to be removed by the excavator pre-emptively in the piles prior to placement. Remaining rock to be removed by the dozer during	Yes	Closed
2	Gaps in Tulloch placement map	P05-P06	More of an optics issue opposed to a quality concern. Tulloch informed and the issue was corrected moving forward.	Yes	Closed
3	Large amounts of dry material located in piles	P08-P15 P23-24	Mixing and blending of dry material with moist material or removal of dry material if abundant.	Yes	Closed
4	Issue with waste rock surface beneath the stockpiles	P16-P27	When identified the material in the area has been removed if necessary for Tulloch to reshoot the waste rock and update the waste rock surface.	Yes	Closed
				-	-

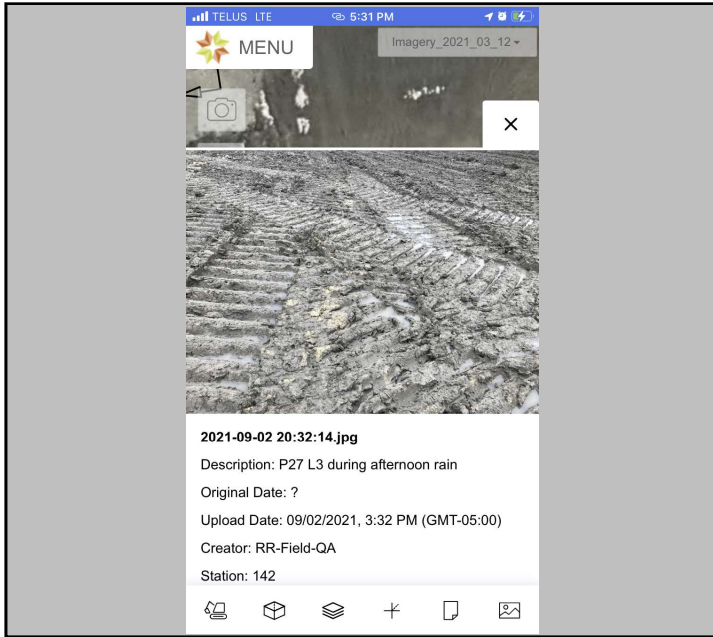


Photo #: 1

- Wet conditions on completed P27, L3 during afternoon rain

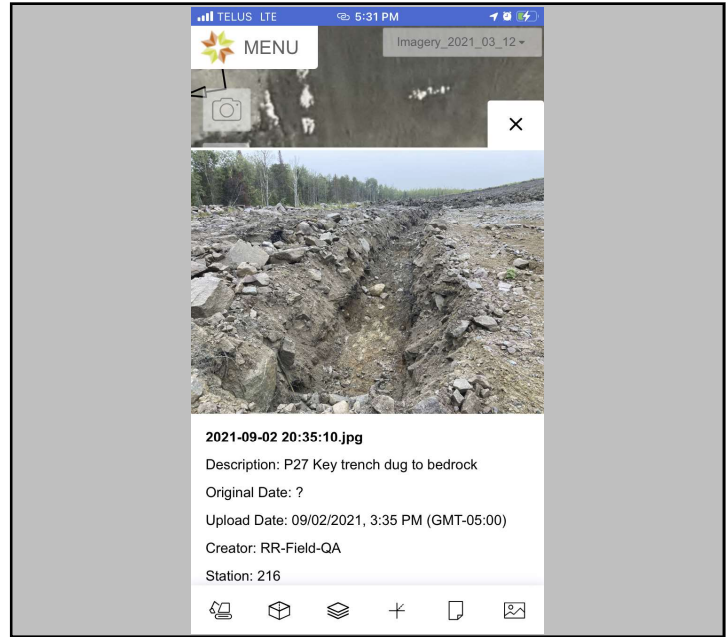


Photo #: 2

- P28 key trench

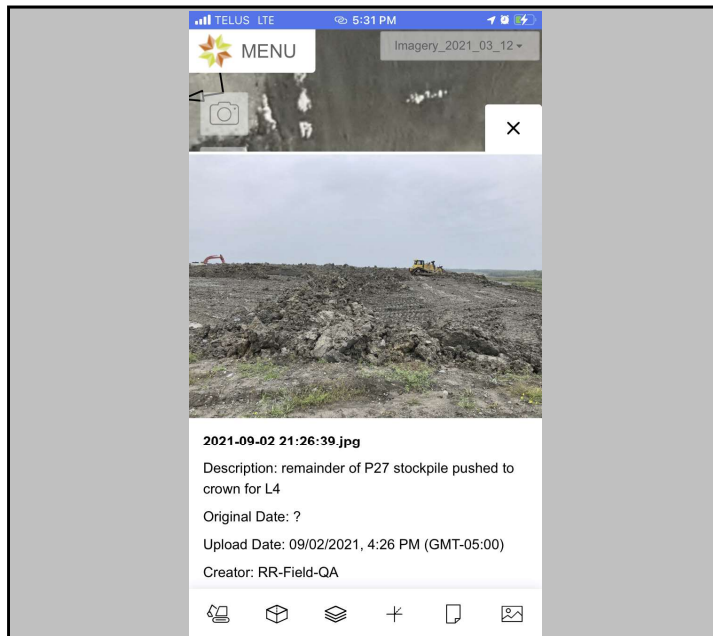


Photo #: 3

- Remainder of P27 stockpiled material moved to the crown for use in L4

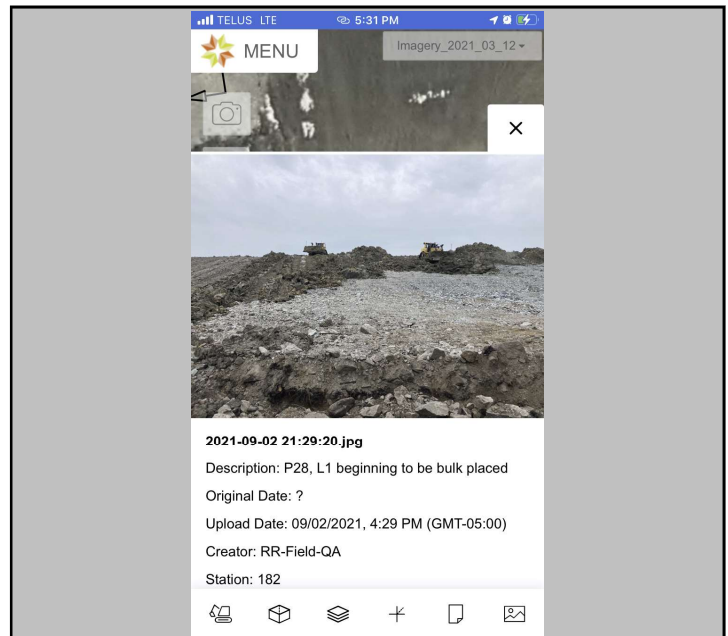


Photo #: 4

- P28, L1 being bulk placed

**PHOTOGRAPHS**

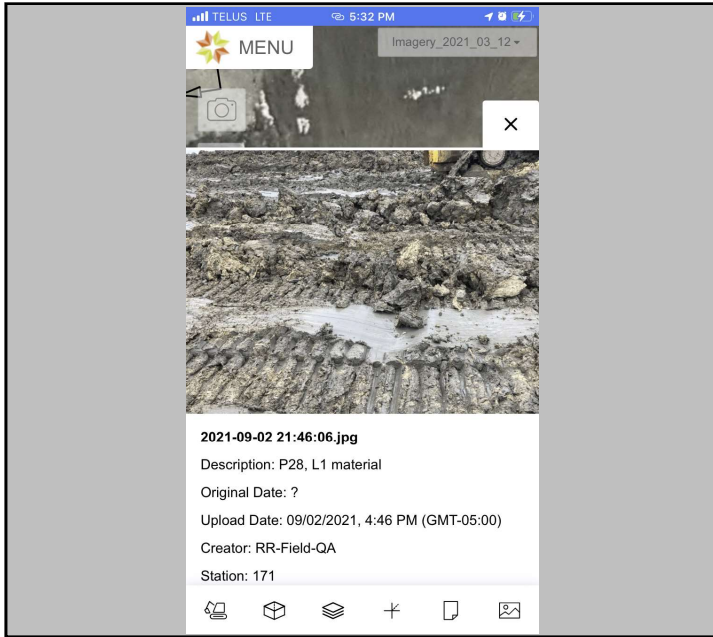


Photo #: 5

Photo #:

- P28, L1 material



Photo #:

Photo #:

Duplicate Page

<b>Date:</b>	September 03, 2021	<b>Owner/Client:</b>	New Gold Inc.
<b>Day:</b>	Friday	<b>Okane Project #:</b>	1003-027
<b>Prepared by:</b>	Brady Hay	<b>Project Location:</b>	Ontario

Number of Pages in Report 4

**Environmental Conditions:**

<u>Morning Conditions</u>	Weather	Showers	Precipitation	0 - 5 mm
Temperature (High/Low)	15	13	Humidity	80 to 100%
			Wind	Low
<u>Afternoon Conditions</u>	Weather	Showers	Precipitation	0 - 5 mm
Temperature (High/Low)	17	15	Humidity	80 to 100%
			Wind	Still

**General Comments**

P27, L3:  
 - Overcast with scattered showers throughout the morning and into the afternoon resulted in the pooled water remaining on L3.  
 - Near the end of the day the dozer was able to skim the top layer of the lift to remove the areas of water and the saturated top layer of L3. Once this was completed the lift was inspected and L4 placement was started.  
 - Showers resumed while leaving site and more rain is forecasted overnight. The lifts will be inspected tomorrow morning prior to continuing placement.

P27, L4:  
 - Material from the road being dug through the stockpile up chainage was hauled and stockpiled for use in P27, L4. Material suitable for use in NCL.  
 - L4 placement started near EOD.

P28, L1:  
 - L1 placement was halted due to wet conditions.  
 - Area at the crown where waste rock was visible was found and excavated. Upon exploration a 5'x5' spot of raised waste rock was found. The excavator widened the excavation to reveal the waste rock around the high point was at the proper elevation. The isolated raised area was removed and the hole was refilled.

General:  
 - Stockpiles further up chainage (0+388-0339) where future panel construction is to take place were inspected. Upon inspection a large amount of both oversize and small stone were noted throughout the area.  
 - The exposed CCL from boreholes (EMRS21\_BP\_P23\_L2\_B22\_210826 & EMRS21\_BP\_P24\_L2\_B23\_210826) was inspected for desiccation and is ready to be filled in when conditions allow and equipment is available.

CQA Representative:

<original signed by>

Issue #	Description	Location	Resolution	Monitor	Status
1	Increased amounts of oversize rock found in CCL	P01-P07	Oversize is to be removed by the excavator pre-emptively in the piles prior to placement. Remaining rock to be removed by the dozer during	Yes	Closed
2	Gaps in Tulloch placement map	P05-P06	More of an optics issue opposed to a quality concern. Tulloch informed and the issue was corrected moving forward.	Yes	Closed
3	Large amounts of dry material located in piles	P08-P15 P23-24	Mixing and blending of dry material with moist material or removal of dry material if abundant.	Yes	Closed
4	Issue with waste rock surface beneath the stockpiles	P16-P28	When identified the material in the area has been removed if necessary for Tulloch to reshoot the waste rock and update the waste rock surface.	Yes	Closed
				-	-

**PHOTOGRAPHS**

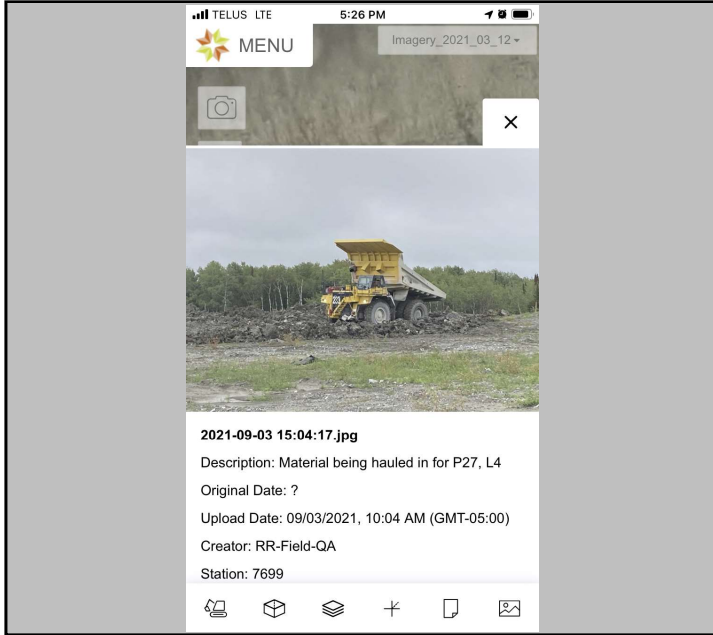


Photo #: 1

Material being hauled for use in P27, L4

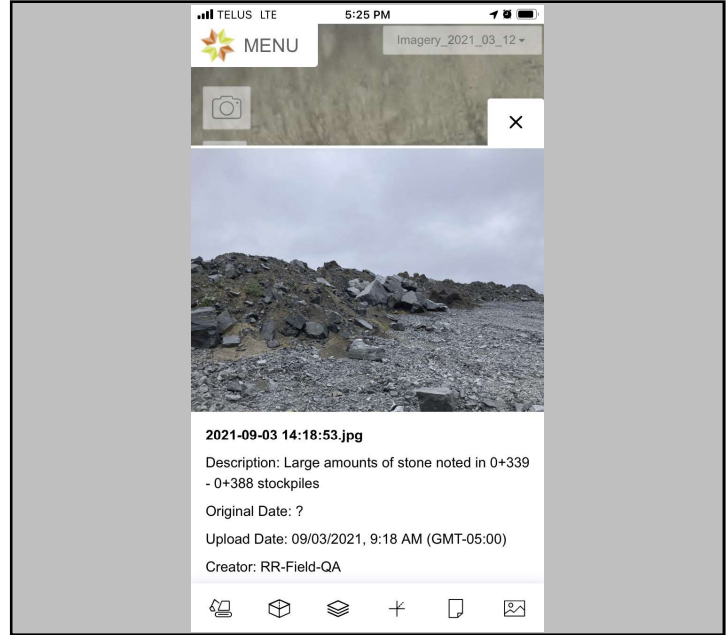


Photo #: 2

Large amount of stone noted in (0+339-0+388) stockpiles

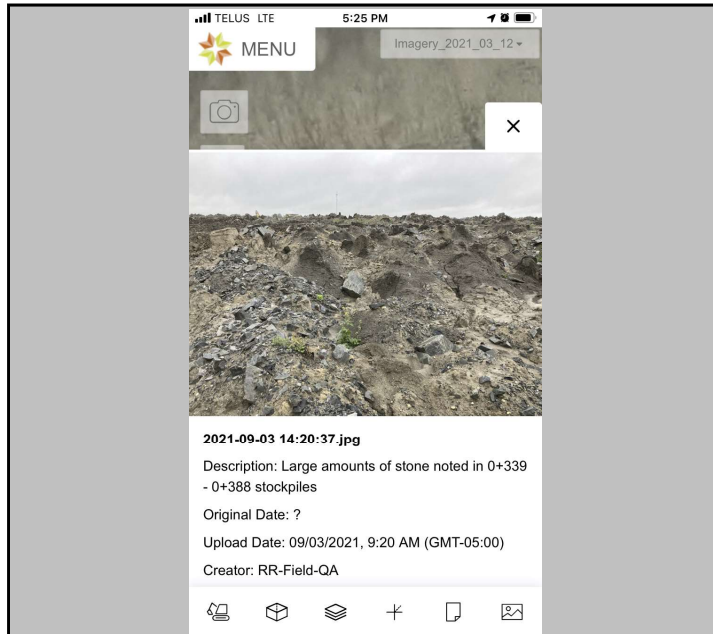


Photo #: 3

Large amount of stone noted in (0+339-0+388) stockpiles

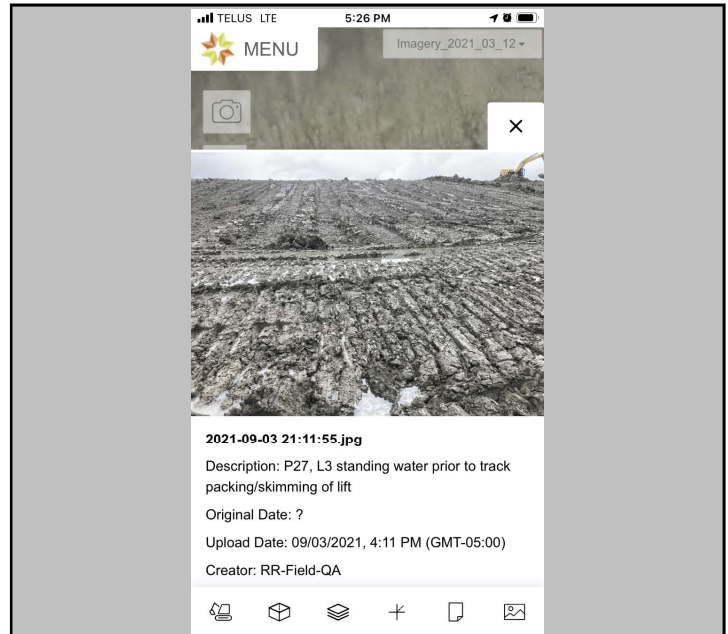


Photo #: 4

P27, L3 standing water prior to being track packed and skimmed

PHOTOGRAPHS

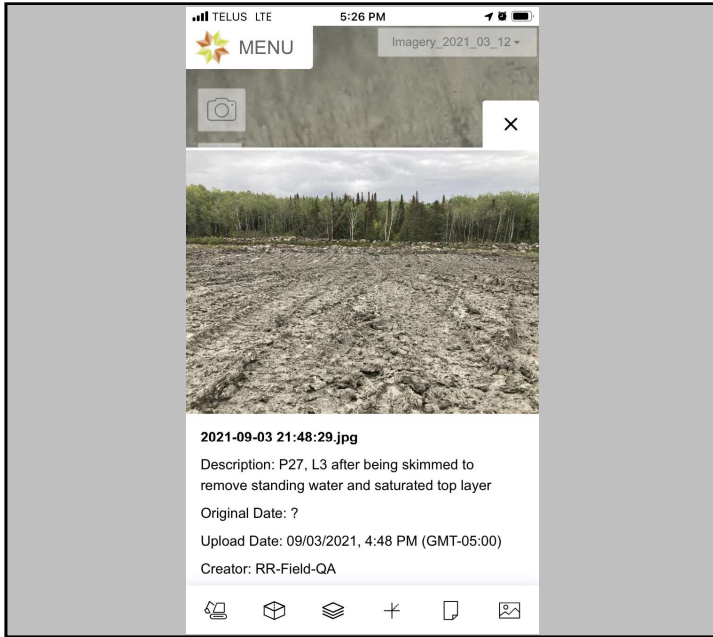


Photo #: 5

P27, L3 after being track packed and skimmed

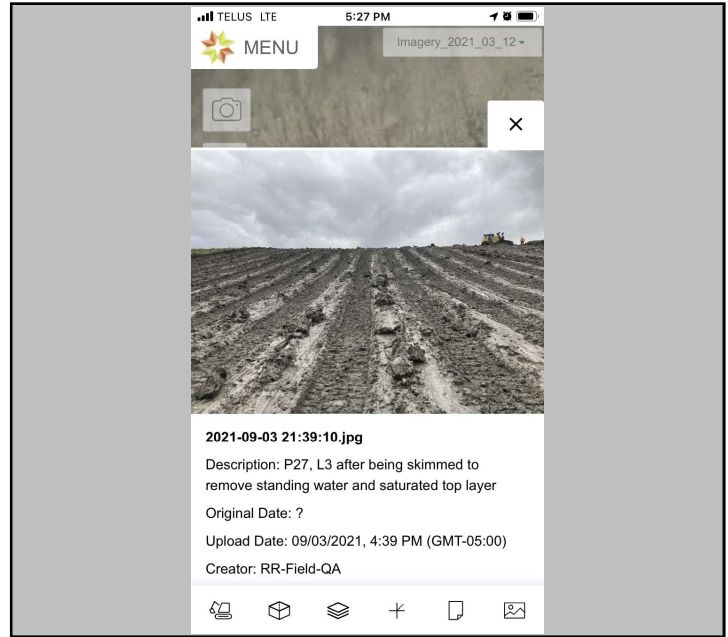


Photo #: 6

P27, L3 after being track packed and skimmed

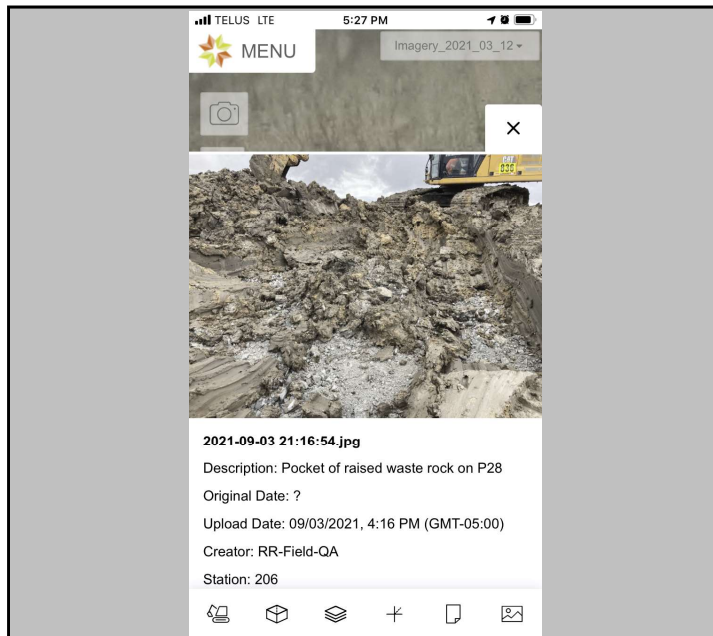


Photo #: 7

- Pocket of raised waste rock on P28, L1

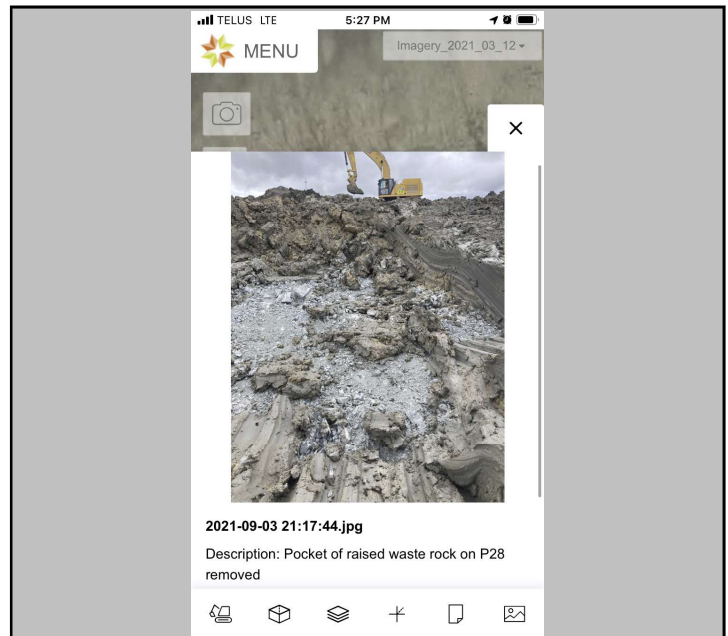


Photo #: 8

- Post removal of raised waste rock on P28, L1

<b>Date:</b>	September 04, 2021	<b>Owner/Client:</b>	New Gold Inc.
<b>Day:</b>	Saturday	<b>Okane Project #:</b>	1003-027
<b>Prepared by:</b>	Brady Hay	<b>Project Location:</b>	Ontario

Number of Pages in Report 4

**Environmental Conditions:**

<u>Morning Conditions</u>		Weather	Cloudy	Precipitation	0 mm
Temperature (High/Low)	18   13	Humidity	80 to 100%	Wind	Low
<u>Afternoon Conditions</u>		Weather	Fair	Precipitation	0 mm
Temperature (High/Low)	21   18	Humidity	40 to 60%	Wind	Moderate

**General Comments**

P27, L3:

- Showers yesterday evening and overnight resulted in the lift being too wet to cover. Construction was shifted to P28 while P27, L3 was given time to dry.

P27, L4:

- Lift halted due to wet conditions on L3.

P28, L1:

- The decision was made to extend the width of P28 opposed to creating two separate panels in the remaining approved area. CQA comfortable with the decision but cautioned about increasing the panel sizes past the point where construction is able to complete or cover panels in a reasonable amount of time.
- P28 key trench extended to the full width of the panel. The key trench was terminated at varying depths with bedrock being reached throughout the excavation.
- Material appeared brownish grey with streaks of lighter silt scattered throughout, moist, and contained a moderate amount of stone.
- Excavator and dozer were able to remove groupings of stone and undesirable material during the placement process.
- During lift placement a second pocket of waste rock became visible on the crown. Upon exploration a small patch of raised waste rock was found. The excavator widened the excavation to reveal the waste rock around the high point was at the proper elevation. The isolated raised area was removed and the hole was refilled.
- P28, L1 placement nearly complete. Completion to final grade, oversize removal, compaction, and testing to be completed tomorrow.

General:

- The exposed CCL from boreholes (EMRS21\_BP\_P23\_L2\_B22\_210826 & EMRS21\_BP\_P24\_L2\_B23\_210826) was inspected and is ready to be filled in when equipment is available. B24 excavation can be completed at this time.

CQA Representative:

Digitally signed by Brady

<original signed by>

Issue #	Description	Location	Resolution	Monitor	Status
1	Increased amounts of oversize rock found in CCL	P01-P07	Oversize is to be removed by the excavator pre-emptively in the piles prior to placement. Remaining rock to be removed by the dozer during	Yes	Closed
2	Gaps in Tulloch placement map	P05-P06	More of an optics issue opposed to a quality concern. Tulloch informed and the issue was corrected moving forward.	Yes	Closed
3	Large amounts of dry material located in piles	P08-P15 P23-24	Mixing and blending of dry material with moist material or removal of dry material if abundant.	Yes	Closed
4	Issue with waste rock surface beneath the stockpiles	P16-P28	When identified the material in the area has been removed if necessary for Tulloch to reshoot the waste rock and update the waste rock surface.	Yes	Closed
				-	-

**PHOTOGRAPHS**

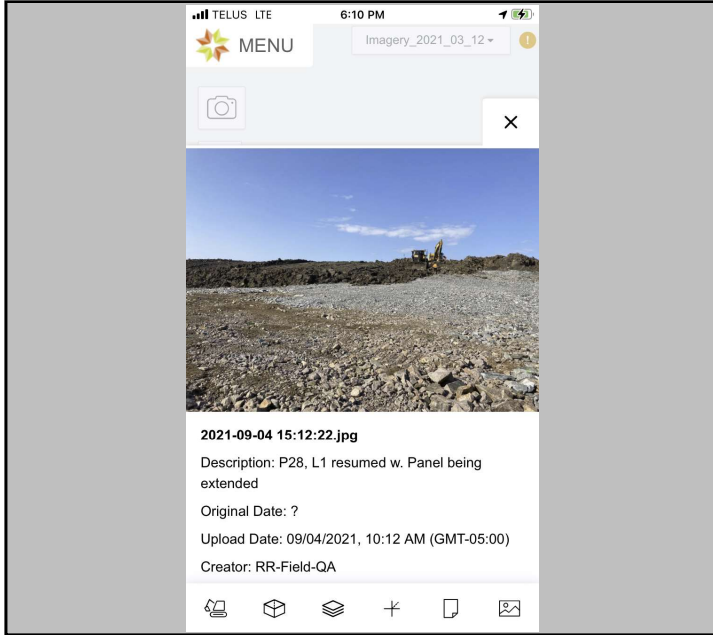


Photo #: 1

- P28, L1 resumed and width extended

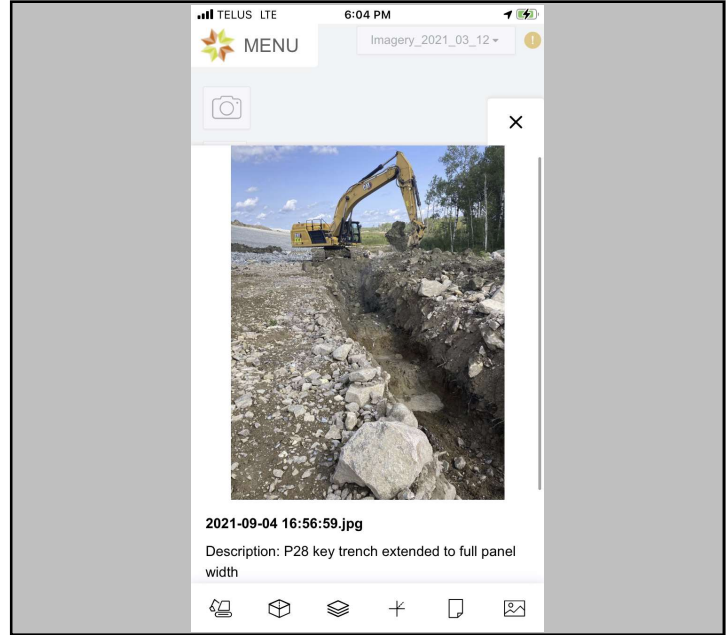


Photo #: 2

- P28 key trench extended to the full width of the panel

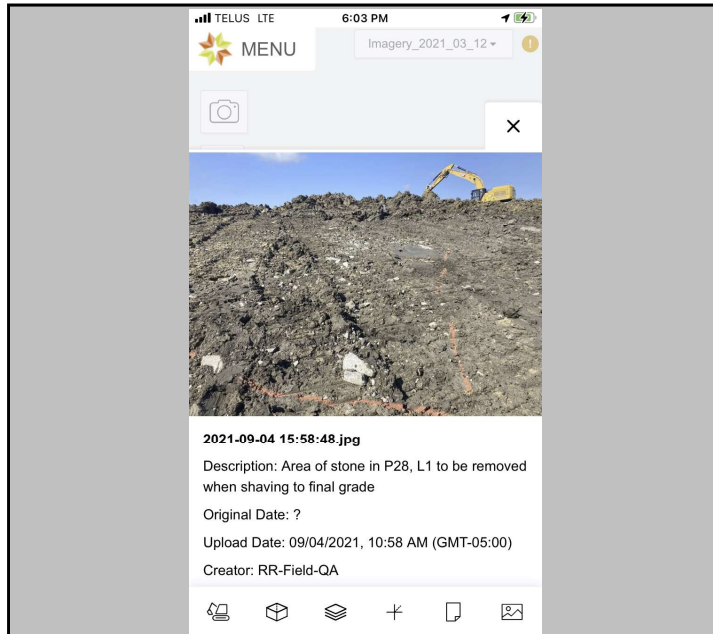


Photo #: 3

- Area of stone in P28, L1 marked for removal while cutting the lift to final grade

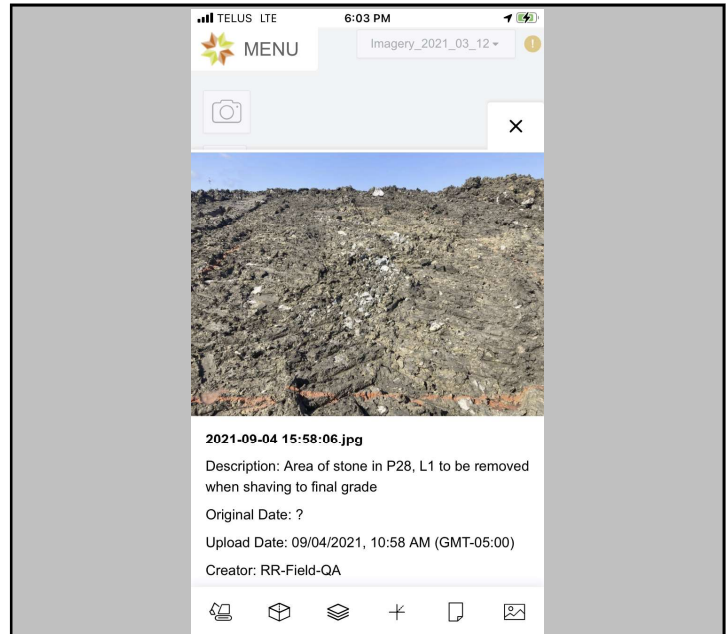


Photo #: 4

- Area of stone in P28, L1 marked for removal while cutting the lift to final grade

PHOTOGRAPHS

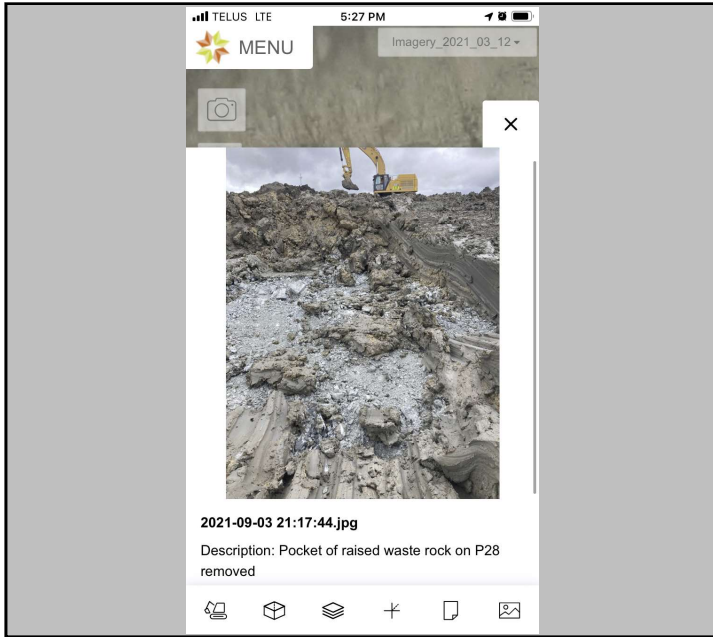


Photo #: 5

- Pocket of raised waste rock removed

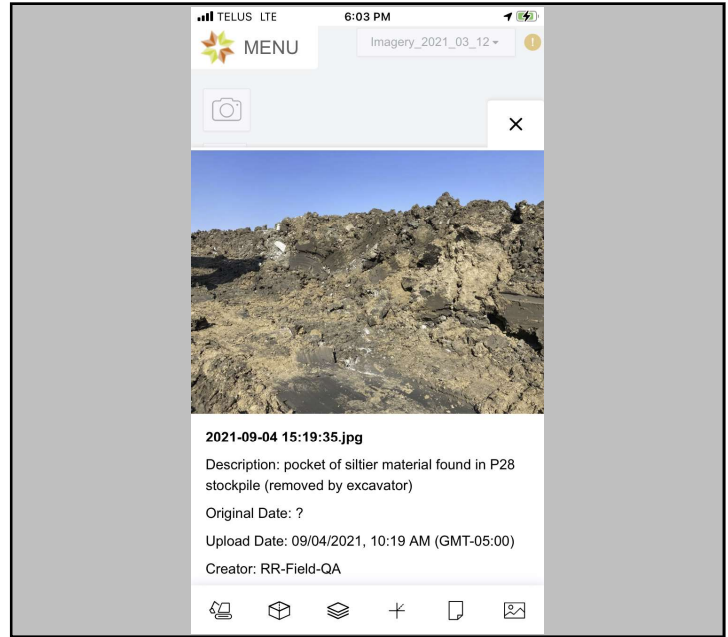


Photo #: 6

Pocket of silty material found in P28 stockpile.

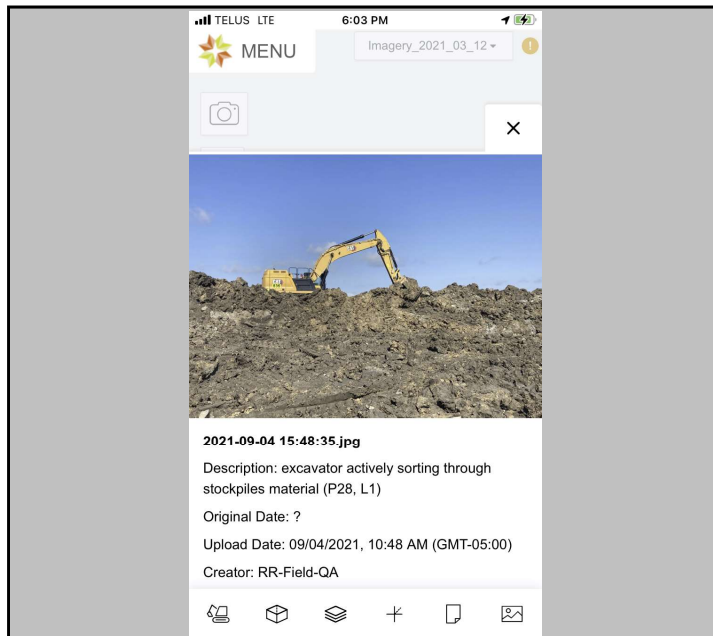


Photo #: 7

- Excavator actively sorting through stockpiled material

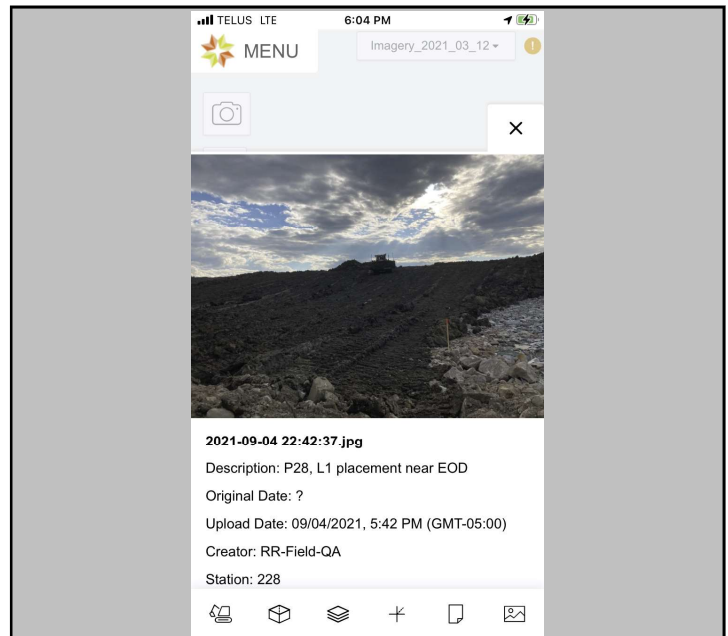


Photo #: 8

- P28, L1 placement near EOD

<b>Date:</b>	September 05, 2021	<b>Owner/Client:</b>	New Gold Inc.
<b>Day:</b>	Sunday	<b>Okane Project #:</b>	1003-027
<b>Prepared by:</b>	Brady Hay	<b>Project Location:</b>	Ontario

Number of Pages in Report 4

**Environmental Conditions:**

<u>Morning Conditions</u>	Weather	Cloudy	Precipitation	0 - 5 mm
Temperature (High/Low)	15	11	Humidity	80 to 100%
			Wind	Low
<u>Afternoon Conditions</u>	Weather	Fair	Precipitation	0 mm
Temperature (High/Low)	17	15	Humidity	60 to 80%
			Wind	Moderate

**General Comments**

P27, L3:

- Lift inspected after being given time to dry. Upon inspection P27, L3 had dried sufficiently and L4 placement was resumed.

P27, L4:

- Material suitable for use in NCL.  
- Lit placement in progress.

P28, L1:

- Final grading of P28, L1 completed. Previously identified area of stone was still present after being completed to grade. The roughly 20'x20' section of L1 was removed and replaced with suitable material by the excavator during the process of removing oversize stone.  
- Due to evening and early morning showers L1 was deemed too wet for compaction after placement. The lift was given time to dry before being track packed again by the dozer. After being track packed the roller was able to begin compaction.  
- Material appeared brownish grey with streaks of lighter silt scattered throughout, moist, and contained a moderate amount of stone.  
- Compaction and testing to be completed tomorrow.

General:

- P27 flagged for hydraulic conductivity testing due to results from EMRS21\_PR\_P27\_L1\_S456\_210831.  
- The excavations from boreholes (EMRS21\_BP\_P23\_L2\_B22\_210826 & EMRS21\_BP\_P24\_L2\_B23\_210826) were filled in.  
- EMRS21\_BP\_P23\_L2\_B24\_210905 casing installed and wetted.

CQA Representative:

<original signed by>

Issue #	Description	Location	Resolution	Monitor	Status
1	Increased amounts of oversize rock found in CCL	P01-P07	Oversize is to be removed by the excavator pre-emptively in the piles prior to placement. Remaining rock to be removed by the dozer during	Yes	Closed
2	Gaps in Tulloch placement map	P05-P06	More of an optics issue opposed to a quality concern. Tulloch informed and the issue was corrected moving forward.	Yes	Closed
3	Large amounts of dry material located in piles	P08-P15 P23-24	Mixing and blending of dry material with moist material or removal of dry material if abundant.	Yes	Closed
4	Issue with waste rock surface beneath the stockpiles	P16-P28	When identified the material in the area has been removed if necessary for Tulloch to reshoot the waste rock and update the waste rock surface.	Yes	Closed
				-	-

**PHOTOGRAPHS**

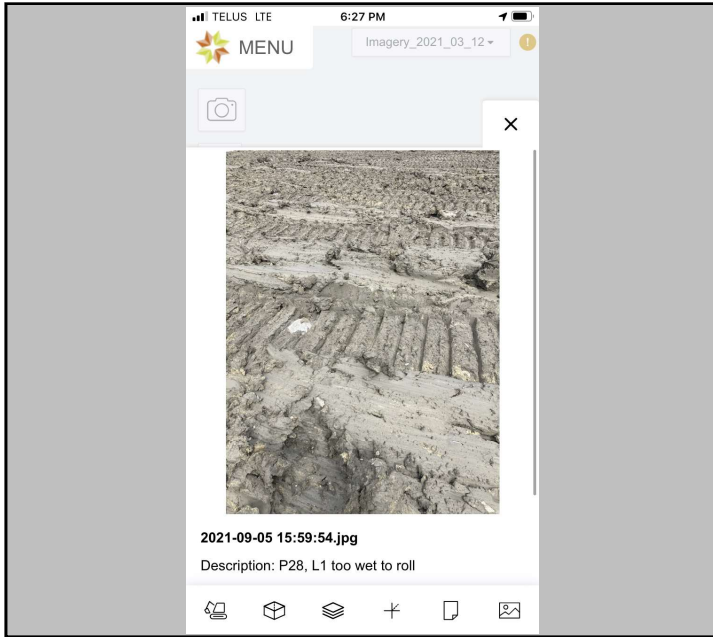


Photo #: 1

P28, L1 material once completed to grade

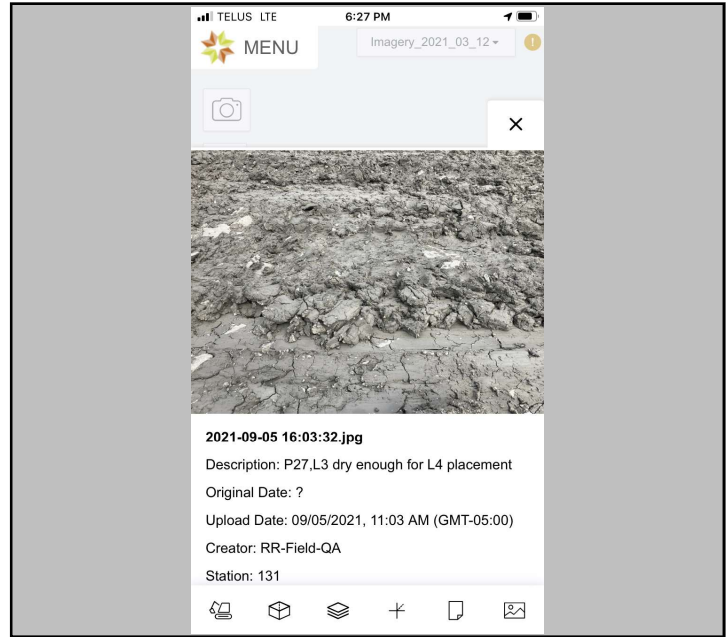


Photo #: 2

P27, L3 material after being given time to dry

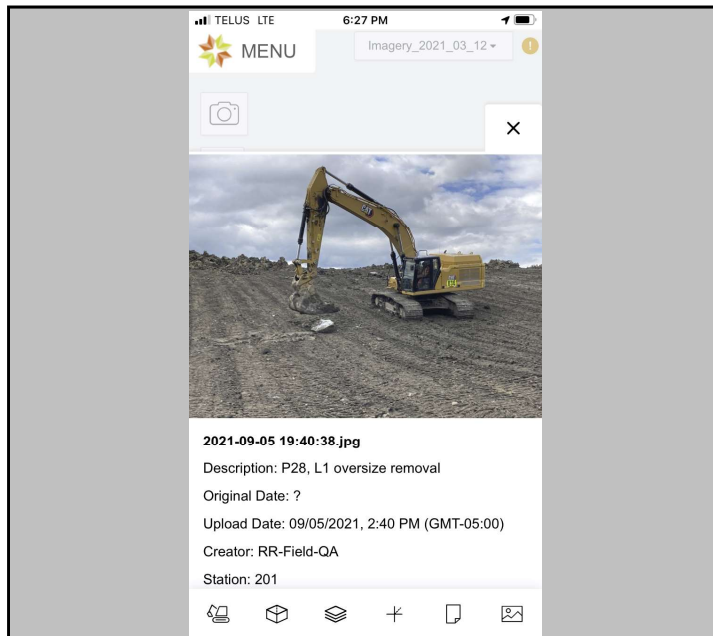


Photo #: 3

P28, L1 oversize removal

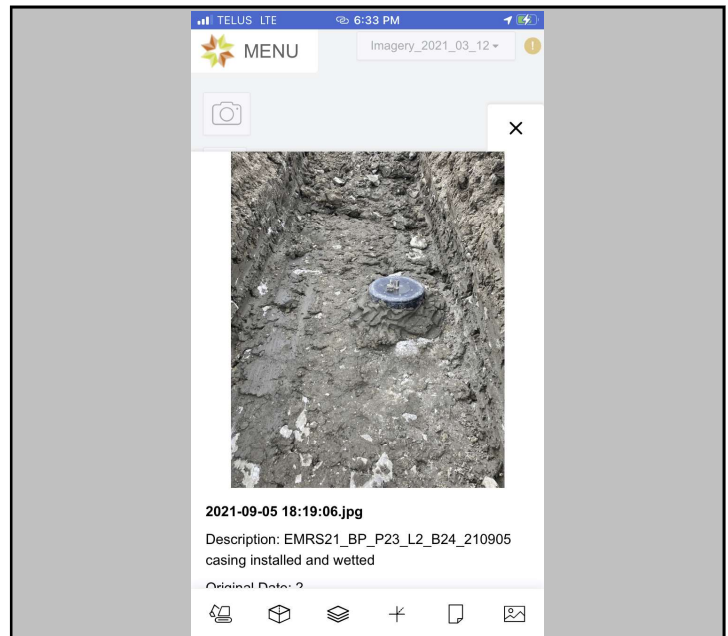


Photo #: 4

EMRS21\_BP\_P23\_L2\_B24\_210905 casing installed and wetted

**PHOTOGRAPHS**

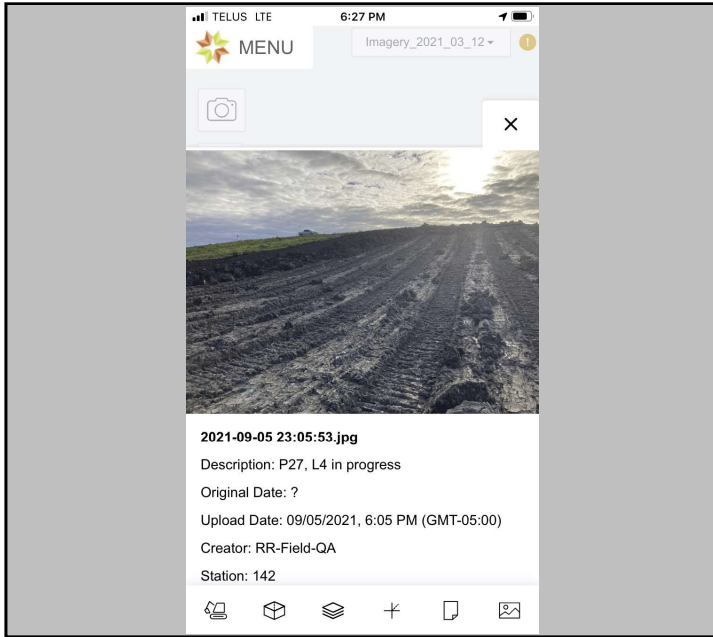


Photo #: 5

P27, L4 in progress

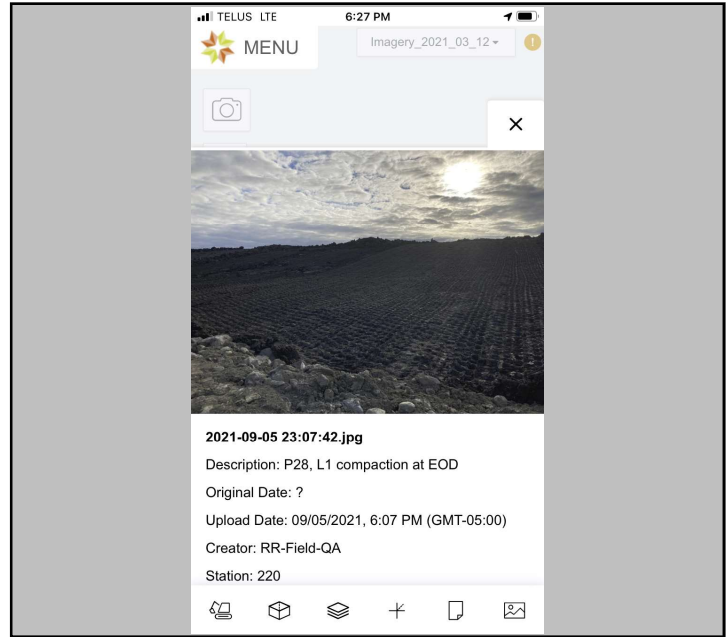


Photo #: 6

P28, L1 compaction at EOD



Photo #:



Photo #:

<b>Date:</b>	September 06, 2021	<b>Owner/Client:</b>	New Gold Inc.
<b>Day:</b>	Monday	<b>Okane Project #:</b>	1003-027
<b>Prepared by:</b>	Brady Hay	<b>Project Location:</b>	Ontario

Number of Pages in Report 4

**Environmental Conditions:**

<u>Morning Conditions</u>	Weather	Cloudy	Precipitation	0 mm
Temperature (High/Low)	18	7	Humidity	80 to 100%
			Wind	Low
<u>Afternoon Conditions</u>	Weather	Cloudy	Precipitation	0 mm
Temperature (High/Low)	24	18	Humidity	60 to 80%
			Wind	Low

**General Comments**

P27, L4:  
- Lift in progress.

P28, L1:  
- Field proctor switched to EMRS21\_PR\_ST\_S302\_210710.  
- Moisture contents over thirty percent obtained obtained during testing in two areas which resulted in failed compaction results. Upon inspection the material appeared grey, moist, and pliable. The surface of the lift was not visibly wet and equipment had no issues working on the material. The area of D425/426 has been flagged for hydraulic conductivity testing.  
- Compaction and testing of lift complete. Surveyed by Tulloch and proper thickness confirmed.  
- P28, L1 approved pending borehole permeameter testing.

P28, L2:  
- Material visually consistent with L1 and appeared brownish grey, moist, pliable, with a moderate amount of stone.  
- L2 was placed to cover the entirety of L1 with rain forecasted in the evening.

General:  
- EMRS21\_BP\_P23\_L2\_B24\_210905 reservoir and testing initiated.

CQA Representative:

<original signed by>

Issue #	Description	Location	Resolution	Monitor	Status
1	Increased amounts of oversize rock found in CCL	P01-P07	Oversize is to be removed by the excavator pre-emptively in the piles prior to placement. Remaining rock to be removed by the dozer during	Yes	Closed
2	Gaps in Tulloch placement map	P05-P06	More of an optics issue opposed to a quality concern. Tulloch informed and the issue was corrected moving forward.	Yes	Closed
3	Large amounts of dry material located in piles	P08-P15 P23-24	Mixing and blending of dry material with moist material or removal of dry material if abundant.	Yes	Closed
4	Issue with waste rock surface beneath the stockpiles	P16-P28	When identified the material in the area has been removed if necessary for Tulloch to reshoot the waste rock and update the waste rock surface.	Yes	Closed
				-	-

PHOTOGRAPHS

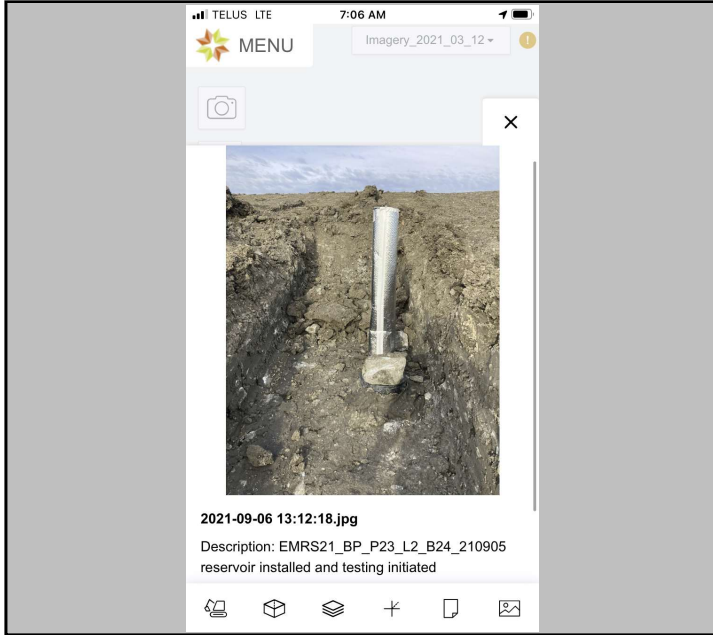


Photo #: 1

EMRS21\_BP\_P23\_L2\_B24\_210905 reservoir installed and testing initiated

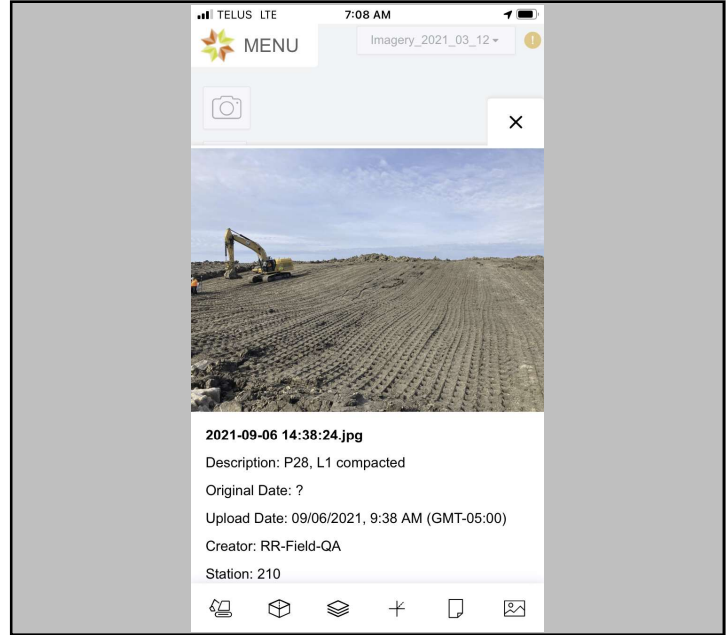


Photo #: 2

P28, L1 compacted with testing in progress

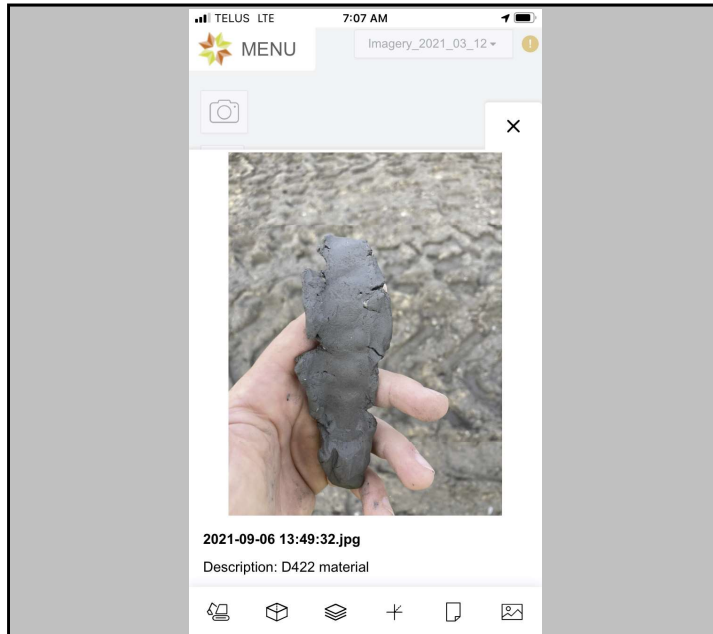


Photo #: 3

D422 material

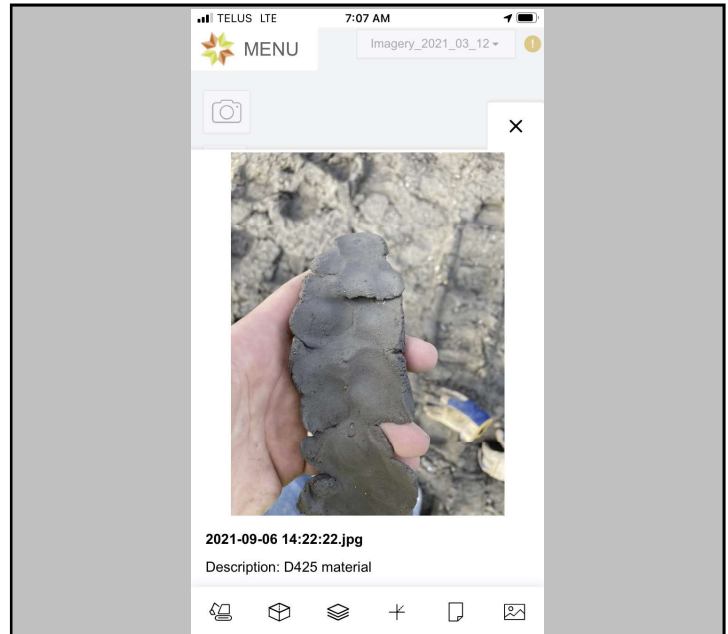


Photo #: 4

D425 material (31.1% field moisture content)

PHOTOGRAPHS

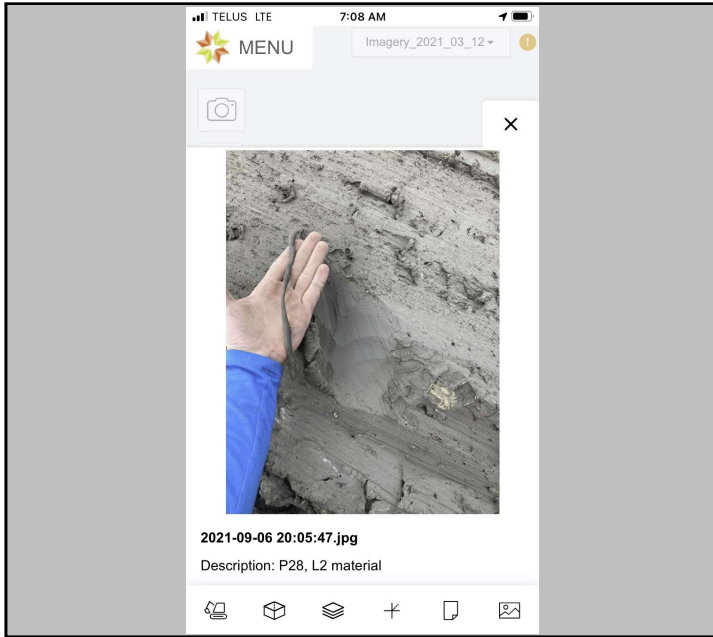


Photo #: 5

- P28, L2 material

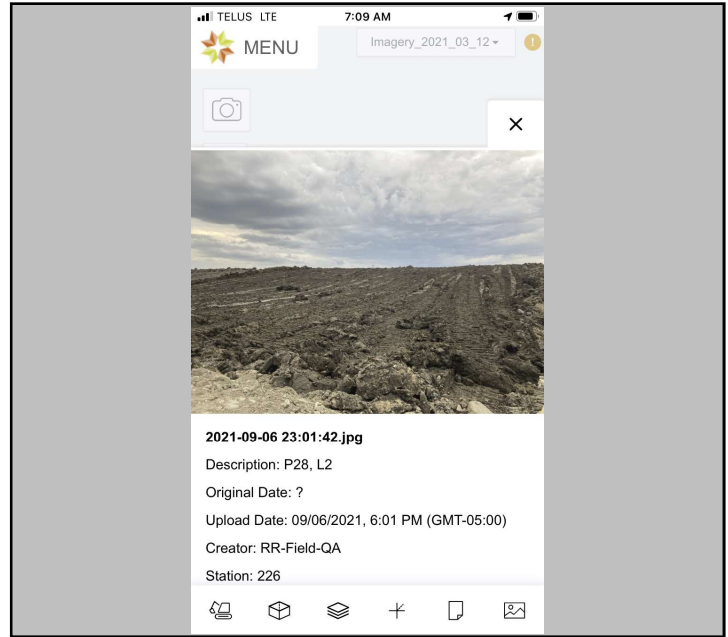


Photo #: 6

- P28, L2 placement covering L1 at EOD



Photo #:



Photo #:

<b>Date:</b>	September 07, 2021	<b>Owner/Client:</b>	New Gold Inc.
<b>Day:</b>	Tuesday	<b>Okane Project #:</b>	1003-027
<b>Prepared by:</b>	Brady Hay	<b>Project Location:</b>	Ontario

Number of Pages in Report 4

**Environmental Conditions:**

<u>Morning Conditions</u>	Weather	Clear	Precipitation	0 mm
Temperature (High/Low)	18	14	Humidity	80 to 100%
			Wind	Low
<u>Afternoon Conditions</u>	Weather	Rain	Precipitation	5 - 10 mm
Temperature (High/Low)	22	18	Humidity	80 to 100%
			Wind	Moderate

**General Comments**

P27, L3:  
- Lift track packed post afternoon thunderstorm to remove any standing water prior to being covered.

P27, L4:  
- Material suitable for use in NCL.  
- Lift in progress.

P28, L2:  
- P28, L2 initially too wet for equipment to complete to grade due to evening showers. The lift was left to dry before being completed to grade. Once placed at grade afternoon thunderstorms resulted in a work stoppage due to lightning proximity and periods of heavy rain. Once work was able to resume L2 appeared visibly wet with areas of pooled water on the surface. This resulted in construction being shifted back to P27 NCL.  
- While the dozer moved to P27 the excavator was able to begin removing oversize from the bench and crown area of P28, L2.

General:  
- EMRS21\_BP\_P23\_L2\_B24\_210905 in progress.

CQA Representative:

<original signed by>

Issue #	Description	Location	Resolution	Monitor	Status
1	Increased amounts of oversize rock found in CCL	P01-P07	Oversize is to be removed by the excavator pre-emptively in the piles prior to placement. Remaining rock to be removed by the dozer during	Yes	Closed
2	Gaps in Tulloch placement map	P05-P06	More of an optics issue opposed to a quality concern. Tulloch informed and the issue was corrected moving forward.	Yes	Closed
3	Large amounts of dry material located in piles	P08-P15 P23-24	Mixing and blending of dry material with moist material or removal of dry material if abundant.	Yes	Closed
4	Issue with waste rock surface beneath the stockpiles	P16-P28	When identified the material in the area has been removed if necessary for Tulloch to reshoot the waste rock and update the waste rock surface.	Yes	Closed
				-	-

**PHOTOGRAPHS**

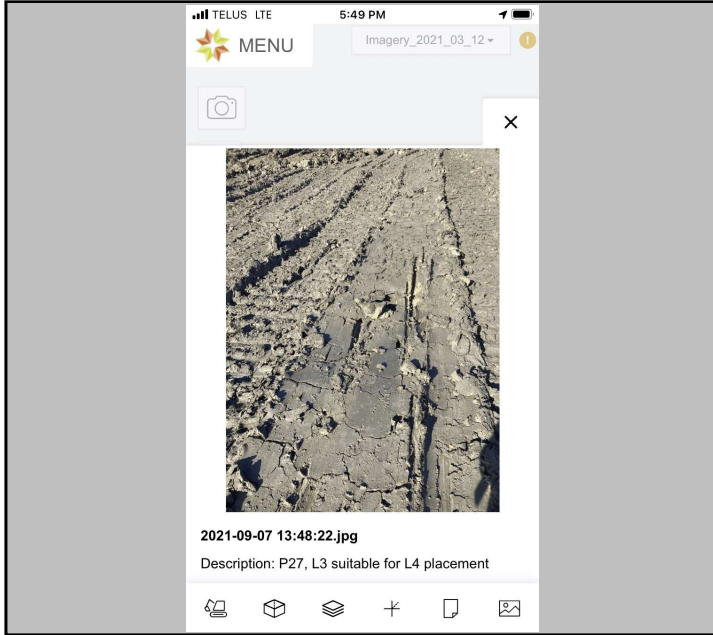


Photo #: 1

P27, L3 suitbale for NCL placement after previous evening showers

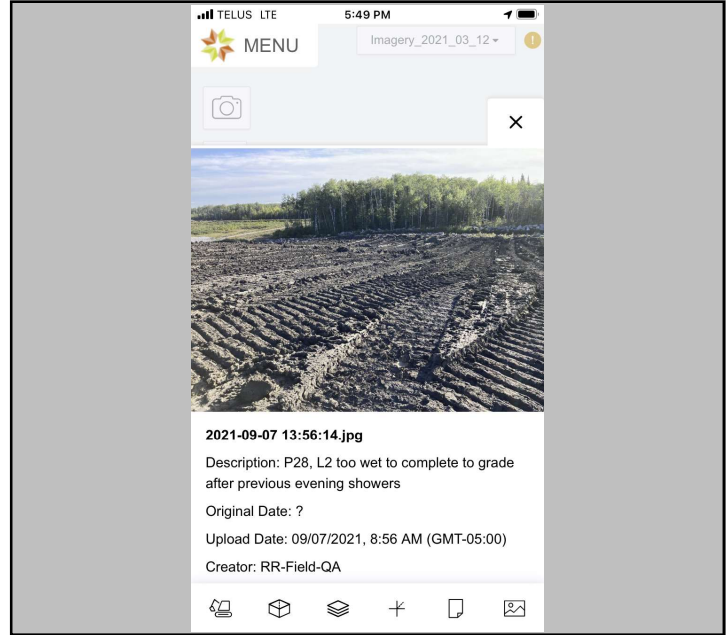


Photo #: 2

P28, L2 too wet for equipment to complete to grade due to evening showers

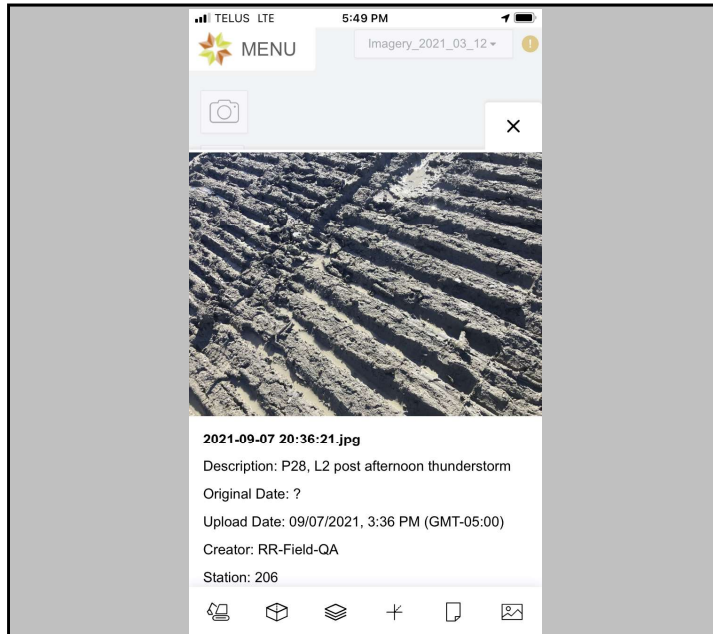


Photo #: 3

Wet conditions on P28, L2 after evening thunderstorm

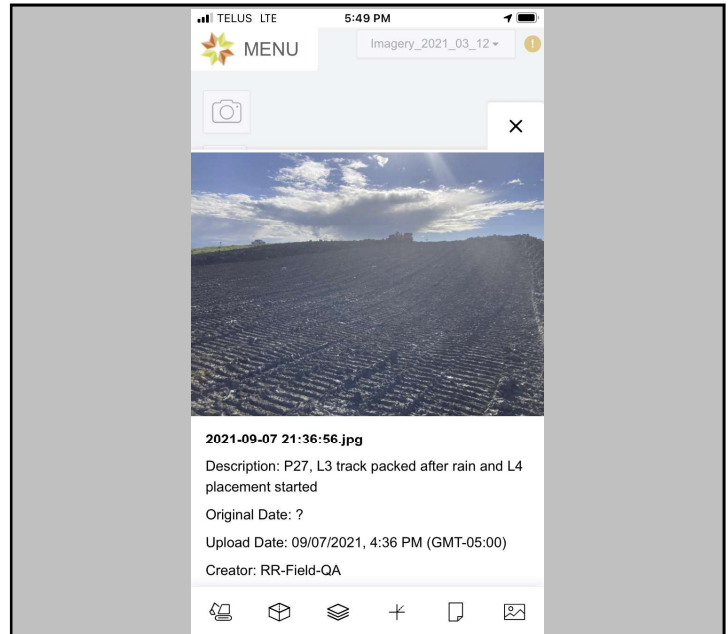


Photo #: 4

P27, L3 track packed after thunderstorm and P27, L4 placement resumed

**PHOTOGRAPHS**



Photo #:



Photo #:



Photo #:



Photo #:

<b>Date:</b>	September 08, 2021	<b>Owner/Client:</b>	New Gold Inc.
<b>Day:</b>	Wednesday	<b>Okane Project #:</b>	1003-027
<b>Prepared by:</b>	Brady Hay	<b>Project Location:</b>	Ontario

Number of Pages in Report 4

**Environmental Conditions:**

<u>Morning Conditions</u>	Weather	Rain	Precipitation	0 - 5 mm
Temperature (High/Low)	16	13	Humidity	80 to 100%
			Wind	Low
<u>Afternoon Conditions</u>	Weather	Rain	Precipitation	5 - 10 mm
Temperature (High/Low)	18	16	Humidity	60 to 80%
			Wind	Low

**General Comments**

P27, L4:

- Lift placement continued in the morning until rain resulted in wet conditions and pooling water on the exposed areas of L3. At this time CQA made the recommendation that construction be halted due to the material being too wet to place or cover without L3 being track packed or scraped. Due to the conditions the dozer operator began pushing material to the bench for placement when construction resumes until being moved to another job.

P28, L2:

- Removal of oversize from the slope completed in the morning. Rain began during the removal process resulting in the lift being too wet for the roller. The dozer began track packing to remove standing water and aid in the drying process until the rain resumed again. With rain forecasted for the remainder of the day the decision was made to halt construction of P28 for the day.

General:

- Informed CQC of several grade stakes with fill and cut markings in the area marked out for the next panel (0+388-0339). This was brought to New Golds attention.
- All work on EMRS stopped at 12:00
- EMRS21\_BP\_P23\_L2\_B24\_210905 in progress.

CQA Representative:

<original signed by>

Issue #	Description	Location	Resolution	Monitor	Status
1	Increased amounts of oversize rock found in CCL	P01-P07	Oversize is to be removed by the excavator pre-emptively in the piles prior to placement. Remaining rock to be removed by the dozer during	Yes	Closed
2	Gaps in Tulloch placement map	P05-P06	More of an optics issue opposed to a quality concern. Tulloch informed and the issue was corrected moving forward.	Yes	Closed
3	Large amounts of dry material located in piles	P08-P15 P23-24	Mixing and blending of dry material with moist material or removal of dry material if abundant.	Yes	Closed
4	Issue with waste rock surface beneath the stockpiles	P16-P28	When identified the material in the area has been removed if necessary for Tulloch to reshoot the waste rock and update the waste rock surface.	Yes	Closed
				-	-

**PHOTOGRAPHS**

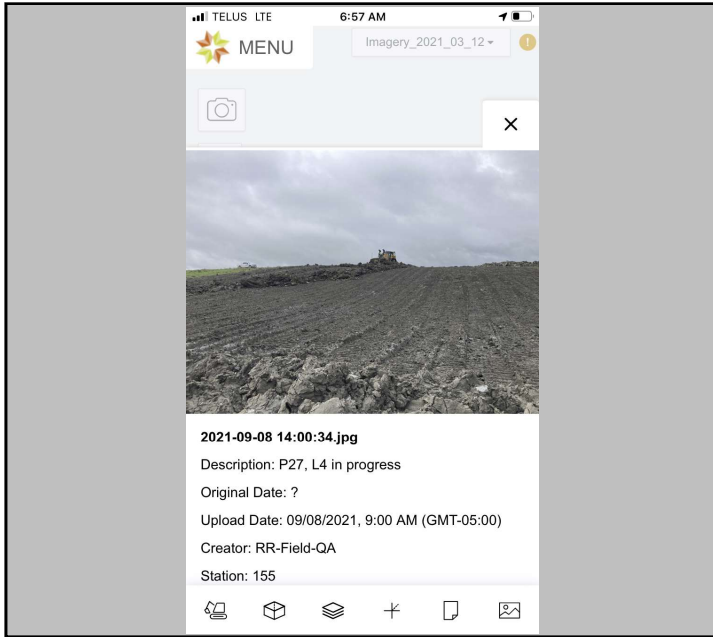


Photo #: 1

- P27, L4 placement in progress

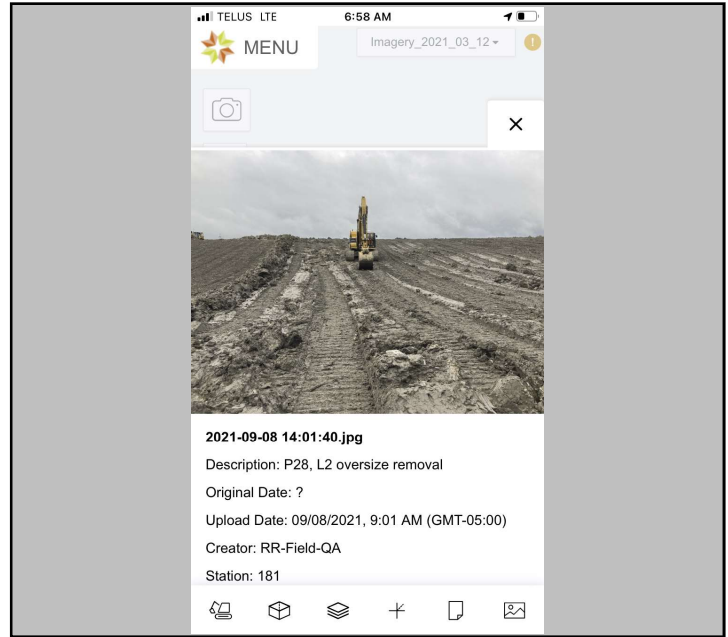


Photo #: 2

- P28, L2 oversize removal

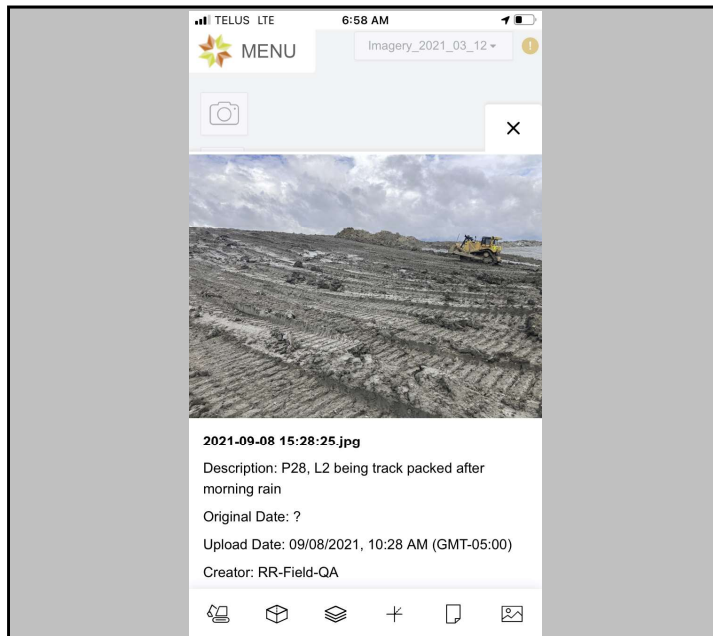


Photo #: 3

- P28, L2 being track packed after initial rainfall. Rain resumed before track packing could be completed.

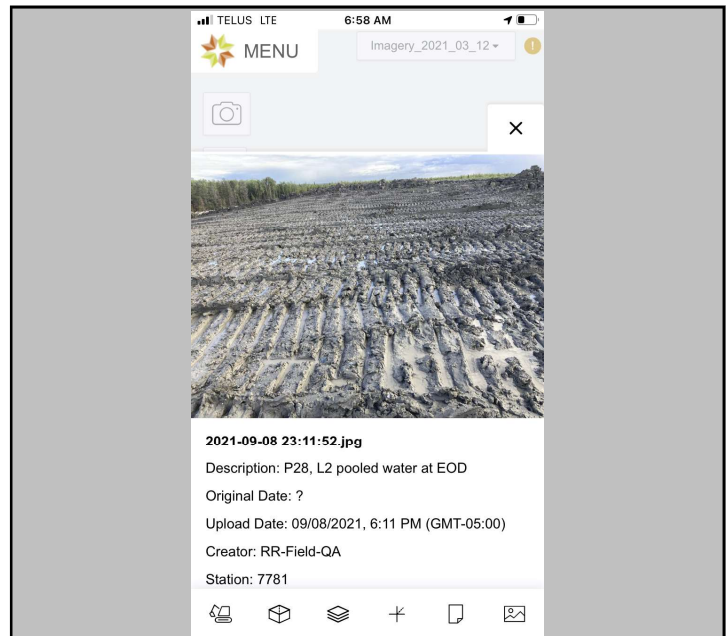


Photo #: 4

- P28, L2 pooled water at EOD

**PHOTOGRAPHS**

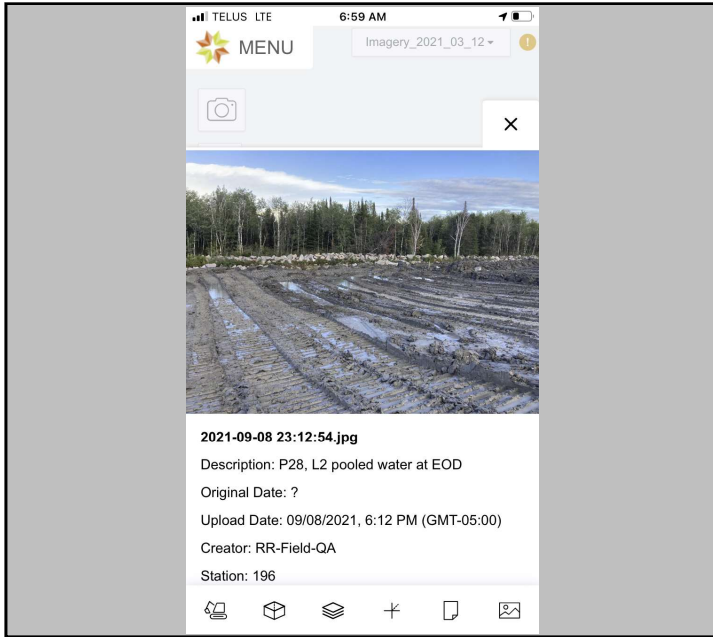


Photo #: 5

- P28, L2 pooled water at EOD

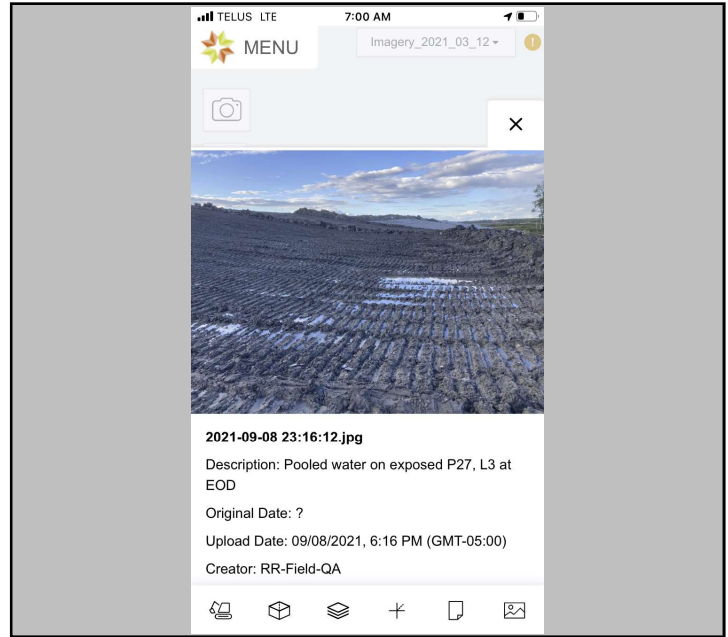


Photo #: 6

P27, L3 pooled water at EOD

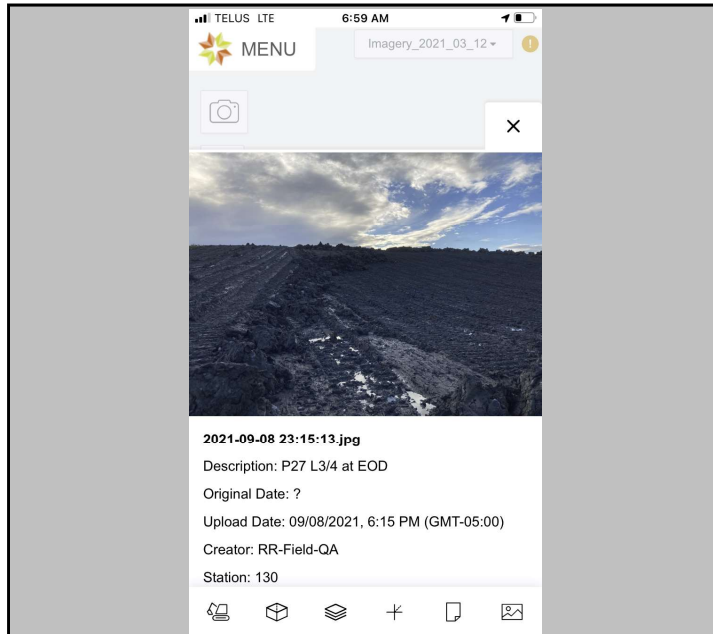


Photo #: 7

- P27, L4 placement at EOD



Photo #:

<b>Date:</b>	September 09, 2021	<b>Owner/Client:</b>	New Gold Inc.
<b>Day:</b>	Thursday	<b>Okane Project #:</b>	1003-027
<b>Prepared by:</b>	Brady Hay	<b>Project Location:</b>	Ontario

Number of Pages in Report 4

**Environmental Conditions:**

<u>Morning Conditions</u>		Weather	Fair	Precipitation	0 mm
Temperature (High/Low)	17   10	Humidity	80 to 100%	Wind	Still
<u>Afternoon Conditions</u>		Weather	Cloudy	Precipitation	0 mm
Temperature (High/Low)	18   17	Humidity	60 to 80%	Wind	Low

**General Comments**

P27 & P28:  
- Previous days rain resulted in wet conditions and pooled water on both panels. The material was given time to dry while the dozer pushed material to the benches of both panels for later NCL use.

P27:  
- Lifts three and four drying sufficiently throughout the day with pooled water still remaining near the toe due to the slope leveling out towards the bottom. The excavator was used to clean up the toe area and remove the standing water to quicken the drying process.  
- Majority of P27, L3 appearing acceptable for coverage, with track packing or scraping at the toe recommended prior to coverage. To be inspected in the morning.

P28, L2:  
- Lift two drying slowly with pooled water still remaining. Once the material was workable the excavator began track packing the slope to remove/mix the standing water. The excavator was used to remove/mix the standing water from the toe area and speed the drying process.  
- P28, L2 still visibly wet at EOD and will be inspected in the morning.

General:  
- EMRS21\_BP\_P23\_L2\_B24\_210905 in progress.

CQA Representative:

<original signed by>

Issue #	Description	Location	Resolution	Monitor	Status
1	Increased amounts of oversize rock found in CCL	P01-P07	Oversize is to be removed by the excavator pre-emptively in the piles prior to placement. Remaining rock to be removed by the dozer during	Yes	Closed
2	Gaps in Tulloch placement map	P05-P06	More of an optics issue opposed to a quality concern. Tulloch informed and the issue was corrected moving forward.	Yes	Closed
3	Large amounts of dry material located in piles	P08-P15 P23-24	Mixing and blending of dry material with moist material or removal of dry material if abundant.	Yes	Closed
4	Issue with waste rock surface beneath the stockpiles	P16-P28	When identified the material in the area has been removed if necessary for Tulloch to reshoot the waste rock and update the waste rock surface.	Yes	Closed
				-	-

PHOTOGRAPHS

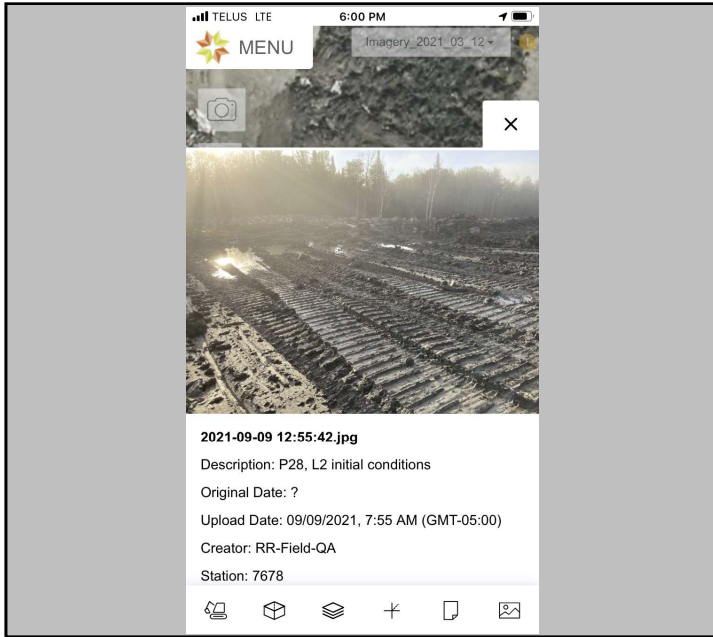


Photo #: 1

- P28, L2 morning conditions

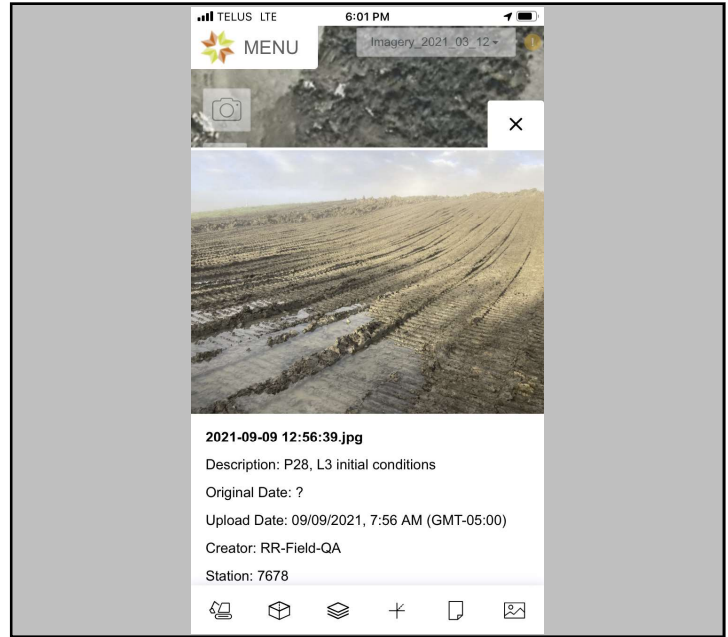


Photo #: 2

- P27, L3 morning conditions

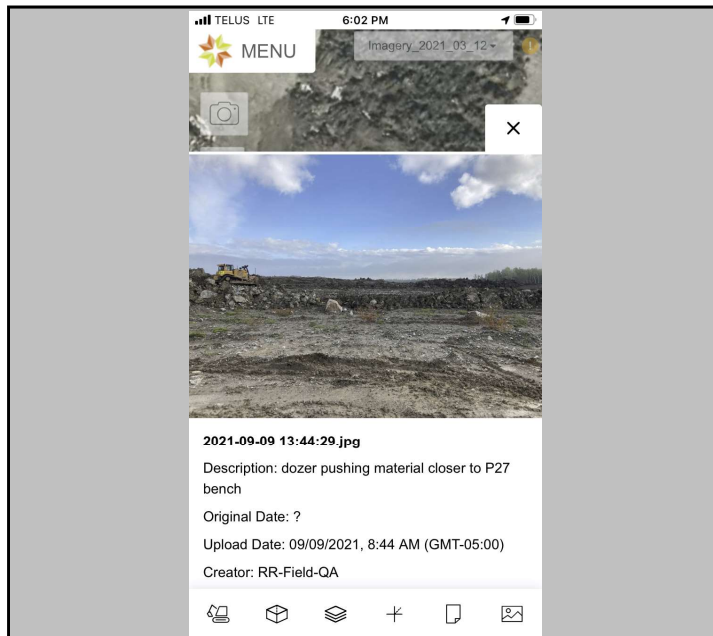


Photo #: 3

- Dozer pushing material to P27 bench

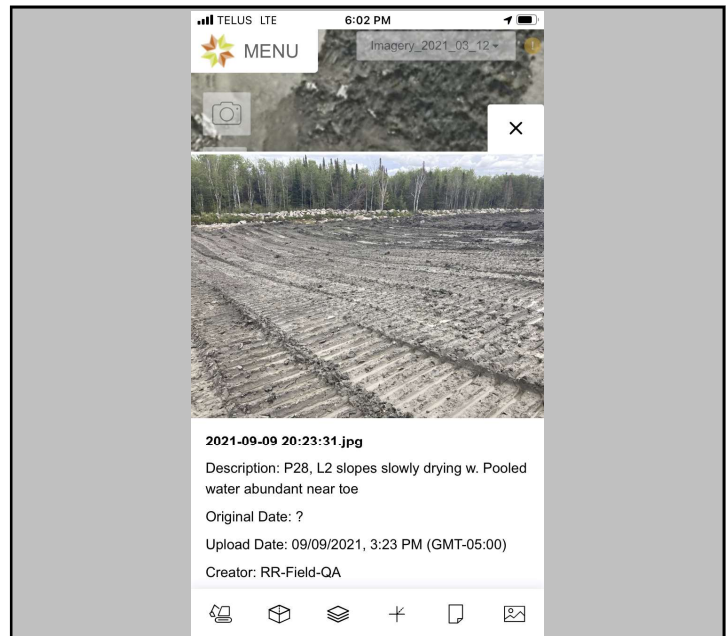


Photo #: 4

- P28, L2 slope slowly drying w. pooled water abundant at the toe

PHOTOGRAPHS

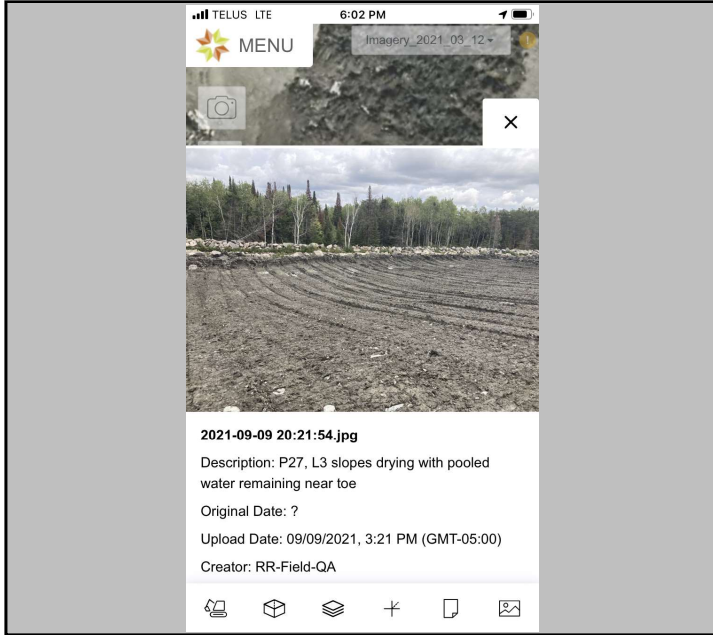


Photo #: 5

- P27, L3 slope drying with pooled water at the toe

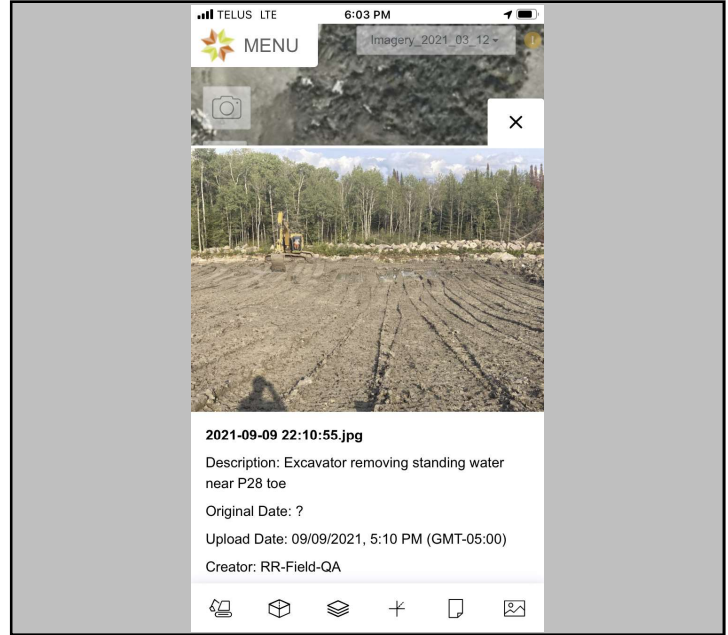


Photo #: 6

- Excavator removing water at P28 toe

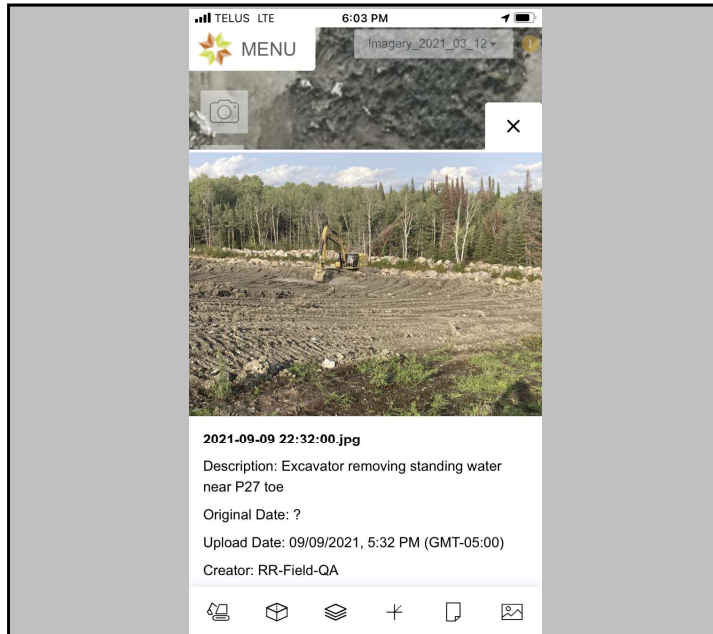


Photo #: 7

- Excavator removing water at P27 toe

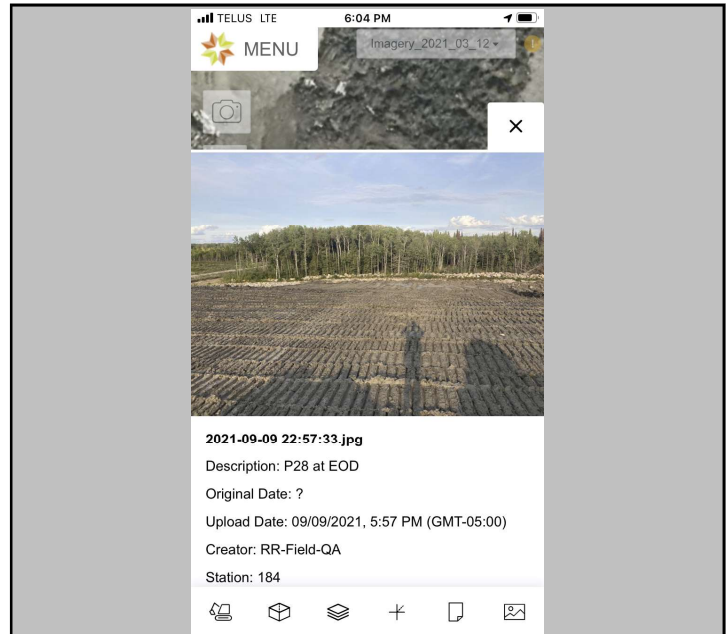


Photo #:

- P28 at EOD

<b>Date:</b>	September 10, 2021	<b>Owner/Client:</b>	New Gold Inc.
<b>Day:</b>	Friday	<b>Okane Project #:</b>	1003-027
<b>Prepared by:</b>	Brady Hay	<b>Project Location:</b>	Ontario

Number of Pages in Report 4

**Environmental Conditions:**

<u>Morning Conditions</u>	Weather	Clear	Precipitation	0 mm
Temperature (High/Low)	19	11	Humidity	80 to 100%
			Wind	Low
<u>Afternoon Conditions</u>	Weather	Clear	Precipitation	0 mm
Temperature (High/Low)	25	19	Humidity	40 to 60%
			Wind	Low

**General Comments**

P27, L4:

- P27, L3 deemed suitable for coverage upon morning inspection.
- P27, L4 in progress while P28 was given time to dry.
- Excess material at toe removed and used for placement in L4.
- Material suitable for NCL use.

P28, L2:

- Areas of pooled water and wet material present during morning inspection. Lift given the morning to dry while construction on P27 resumed.
- L2 was track packed by the dozer again after first break and was left to dry further.
- Compaction with the roller started with varying results. Initially compaction seemed possible but the roller soon began to create wheel ruts and chunks of pickup in wetter areas of the panel. Once the roller reached the north half of the panel conditions worsened and the roller was unable to backup the slope.
- Dozer used to remove excess material at the toe and flatten the pickup and wheel ruts left by the roller.
- Compaction to be completed tomorrow prior to testing.

General:

- Recommendation made to clean up raised material at the toe of panels 27 and 28 to avoid water pooling at the toe again before L4 can be placed to achieve proper drainage.
- EMRS21\_BP\_P23\_L2\_B24\_210905 in progress.

CQA Representative:

<original signed by>

Issue #	Description	Location	Resolution	Monitor	Status
1	Increased amounts of oversize rock found in CCL	P01-P07	Oversize is to be removed by the excavator pre-emptively in the piles prior to placement. Remaining rock to be removed by the dozer during	Yes	Closed
2	Gaps in Tulloch placement map	P05-P06	More of an optics issue opposed to a quality concern. Tulloch informed and the issue was corrected moving forward.	Yes	Closed
3	Large amounts of dry material located in piles	P08-P15 P23-24	Mixing and blending of dry material with moist material or removal of dry material if abundant.	Yes	Closed
4	Issue with waste rock surface beneath the stockpiles	P16-P28	When identified the material in the area has been removed if necessary for Tulloch to reshoot the waste rock and update the waste rock surface.	Yes	Closed
				-	-

PHOTOGRAPHS

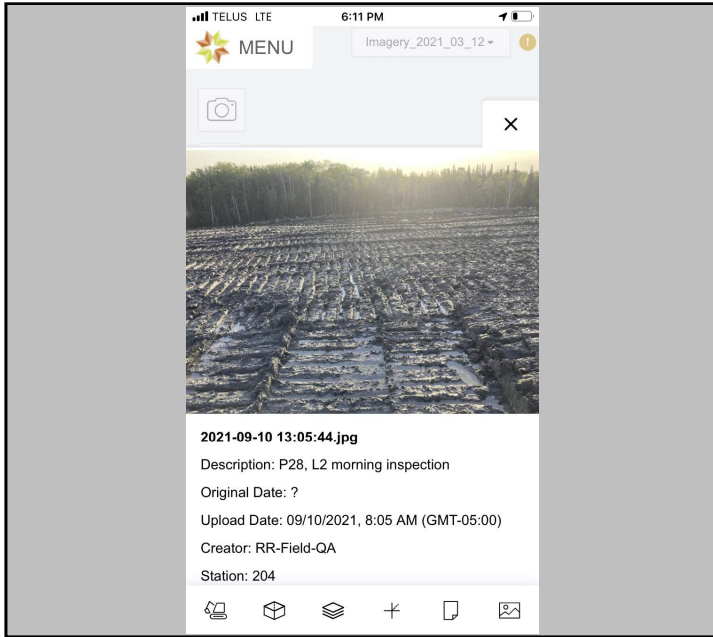


Photo #: 1

- P28, L2 morning conditions

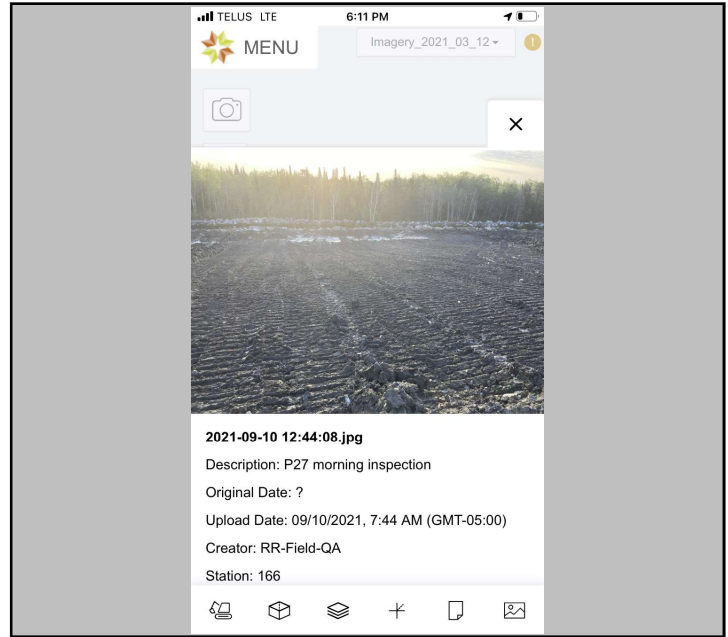


Photo #: 2

- P27, L3 morning conditions

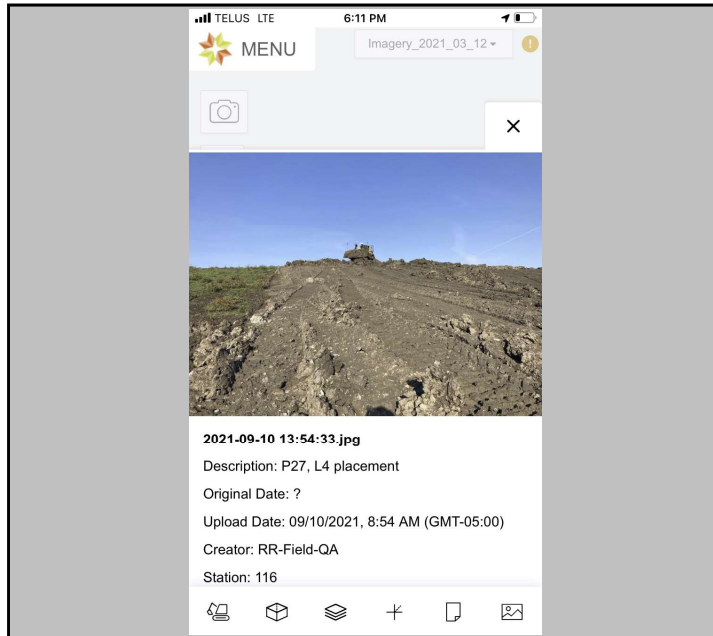


Photo #: 3

- P27, L4 placement

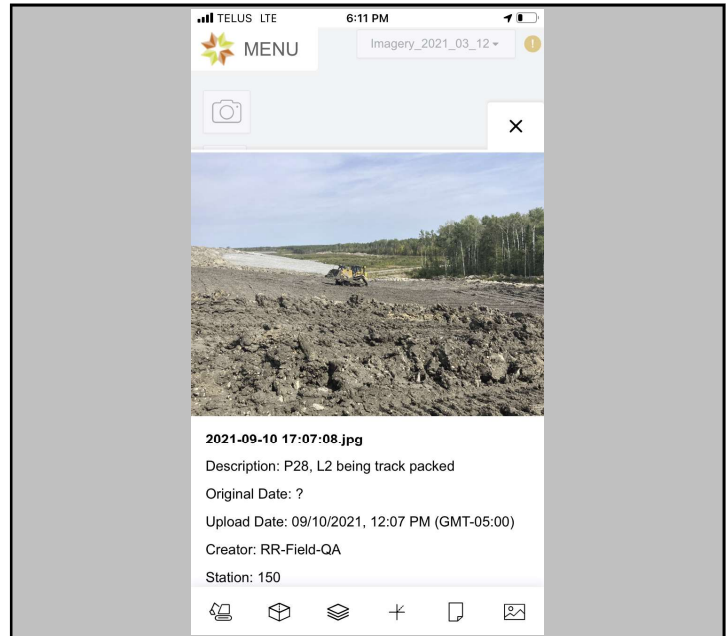


Photo #: 4

- P28, L2 being track packed

**PHOTOGRAPHS**

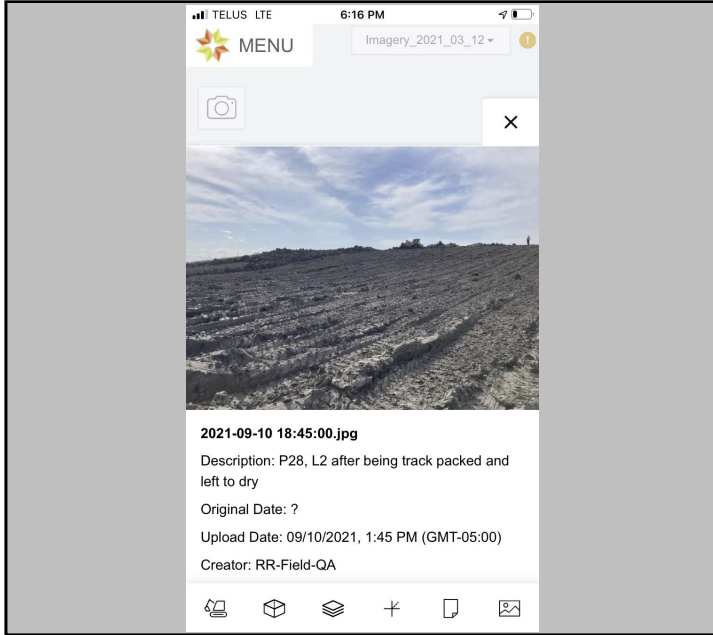


Photo #: 5

- P28, L2 left to dry further after being track packed

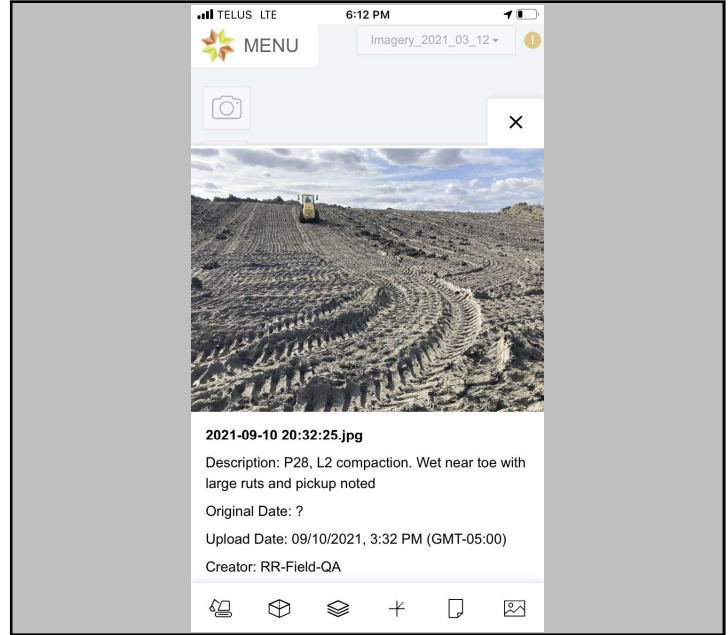


Photo #: 6

- P28, L2 comaction. Wet conditions near the toe with large ruts

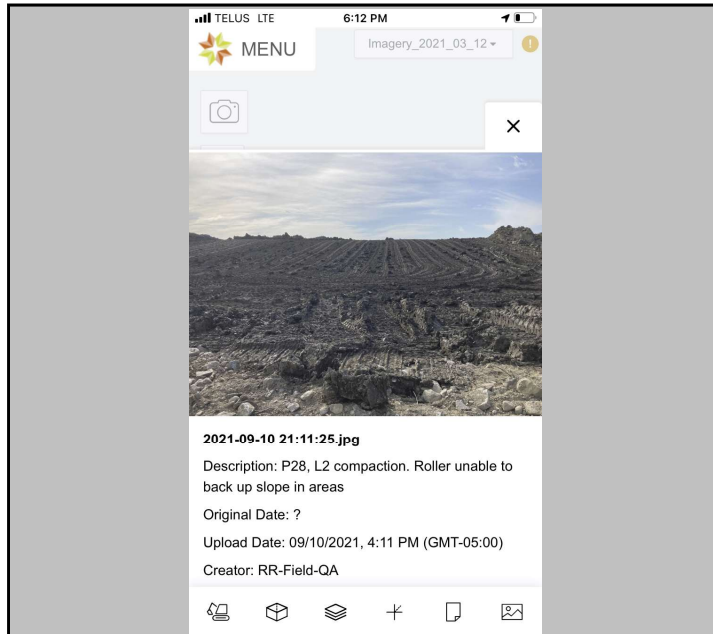


Photo #: 7

- P28, L2 compaction. Roller unable to back up the slope in areas

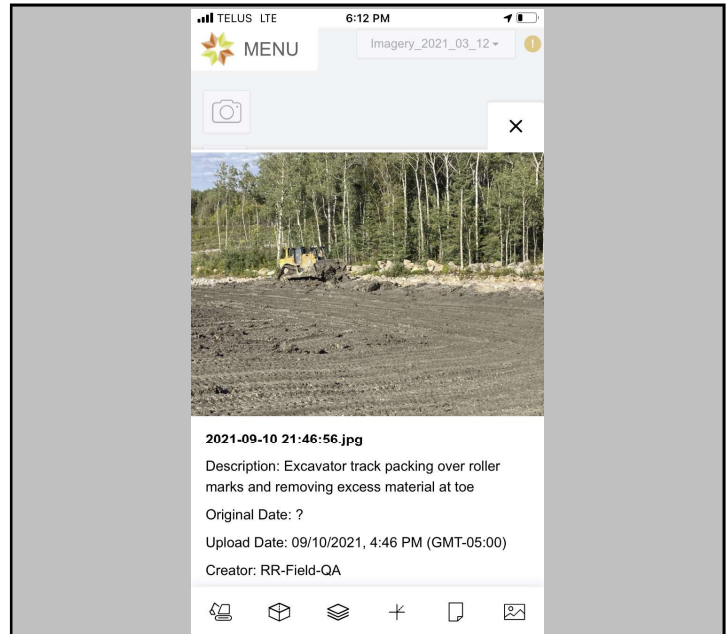


Photo #: 8

- Excavator track packing over roller wheel ruts and removing excess material at the toe

<b>Date:</b>	September 11, 2021	<b>Owner/Client:</b>	New Gold Inc.
<b>Day:</b>	Saturday	<b>Okane Project #:</b>	1003-027
<b>Prepared by:</b>	Brady Hay	<b>Project Location:</b>	Ontario

Number of Pages in Report 4

**Environmental Conditions:**

<u>Morning Conditions</u>		Weather	Clear	Precipitation	0 mm
Temperature (High/Low)	17   11	Humidity	80 to 100%	Wind	Low
<u>Afternoon Conditions</u>		Weather	Clear	Precipitation	0 mm
Temperature (High/Low)	19   17	Humidity	40 to 60%	Wind	Moderate

**General Comments**

P27, L4:  
 - Lift in progress.  
 - Material suitable for NCL use.

P28, L2:  
 - Compaction completed in areas where the lift was too wet to roll adequately yesterday.  
 - During testing a new nuclear gauge was used by CQC. The new gauge results showed high dry densities and lower moisture contents on the north side of the bench where nothing was found upon investigation (DD-1738/1708, MC-19.3/21.6). These results varied greatly from the visual inspection of the material as well as L1 results from the same stockpile.  
 - Due to the difference in test results compared to visual classification and no data set to support the accuracy of the new gauge a second gauge was brought to the field as a check. With both gauges standardized and the same settings confirmed the second gauge provided results which varied greatly from the original gauge (lower densities and higher moisture contents). Two more comparison tests were completed in different areas of the panel which also resulted in very large discrepancies (average discrepancy: DD-324, MC-5.4).  
 - With the original gauge showing improved results throughout the testing of the slope it was used for the final three density tests of L2.  
 - Lab results from L2 will aid in determining the testing accuracy and the new gauge should be re-assessed prior to further use.  
 - Based on field testing, data from stockpile proctors, L1 hydrometer results, and visual classification of the material Okane was able to approve L2 pending hydraulic conductivity testing.

General:  
 - Met with Ted and Martin from Tulloch when the second gauge was brought to the field for comparison testing. A moisture sample from the initial comparison test was taken to aid in determining the accuracy of the gauges and resulted in a 25.2% MC.  
 - Spoke with CQC to discuss the desiccation rate of P28, L2. With fall weather the lift likely would not reach a depth of crusting that would require re-work but it was recommended to cover the entirety of L2 with a thin lift of material to avoid further crusting overnight. The decision was made to have day shift cover the majority of the lift and have night shift complete the coverage to avoid any possibility of re-work.  
 - EMRS21\_BP\_P23\_L2\_B24\_210905 completed and removed. The exposed CCL was inspected for desiccation and rehydrated.

CQA Representative:

<original signed by>

Issue #	Description	Location	Resolution	Monitor	Status
1	Increased amounts of oversize rock found in CCL	P01-P07	Oversize is to be removed by the excavator pre-emptively in the piles prior to placement. Remaining rock to be removed by the dozer during	Yes	Closed
2	Gaps in Tulloch placement map	P05-P06	More of an optics issue opposed to a quality concern. Tulloch informed and the issue was corrected moving forward.	Yes	Closed
3	Large amounts of dry material located in piles	P08-P15 P23-24	Mixing and blending of dry material with moist material or removal of dry material if abundant.	Yes	Closed
4	Issue with waste rock surface beneath the stockpiles	P16-P28	When identified the material in the area has been removed if necessary for Tulloch to reshoot the waste rock and update the waste rock surface.	Yes	Closed
				-	-

**PHOTOGRAPHS**

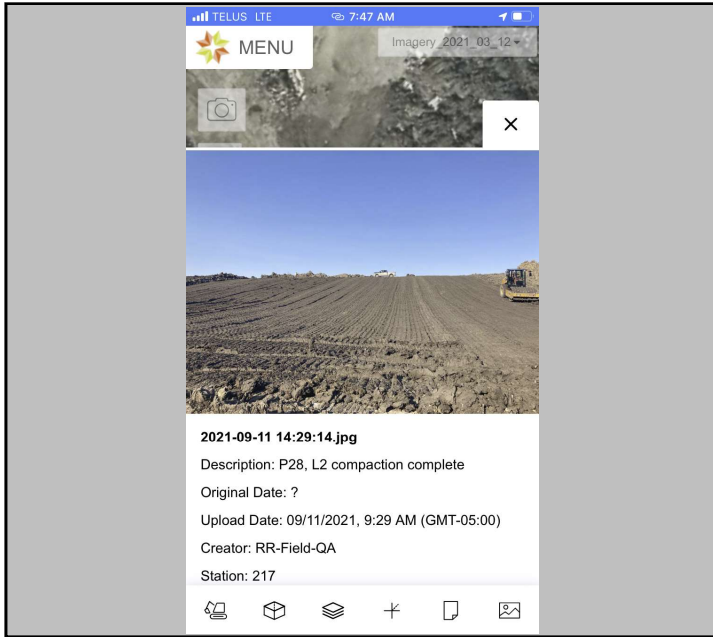


Photo #: 1

- P28, L2 compaction complete

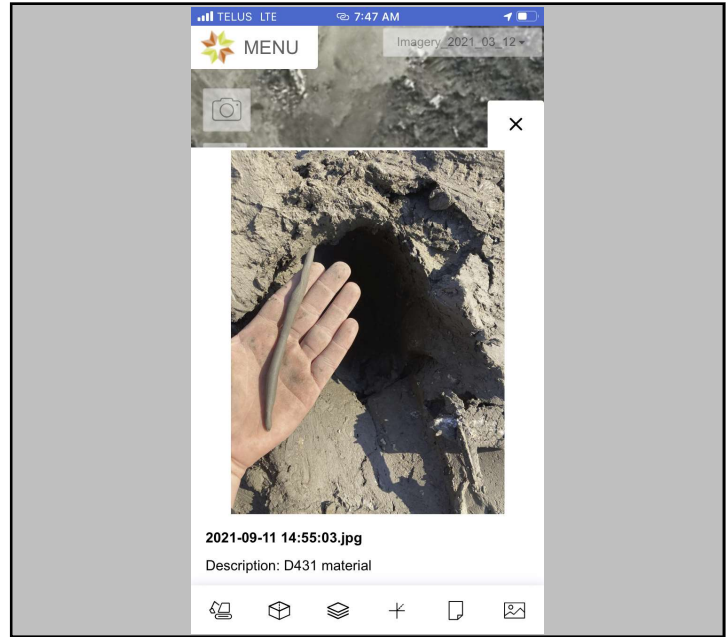


Photo #: 2

- D431 material

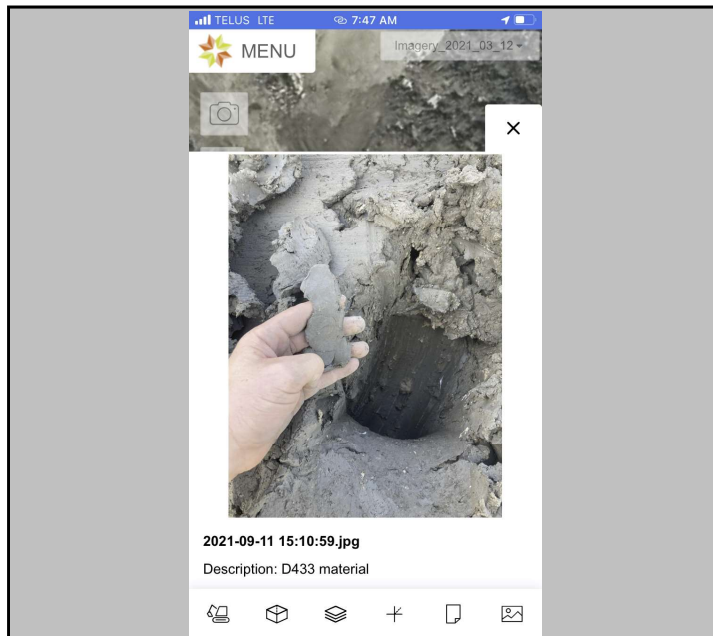


Photo #: 3

- D433 material

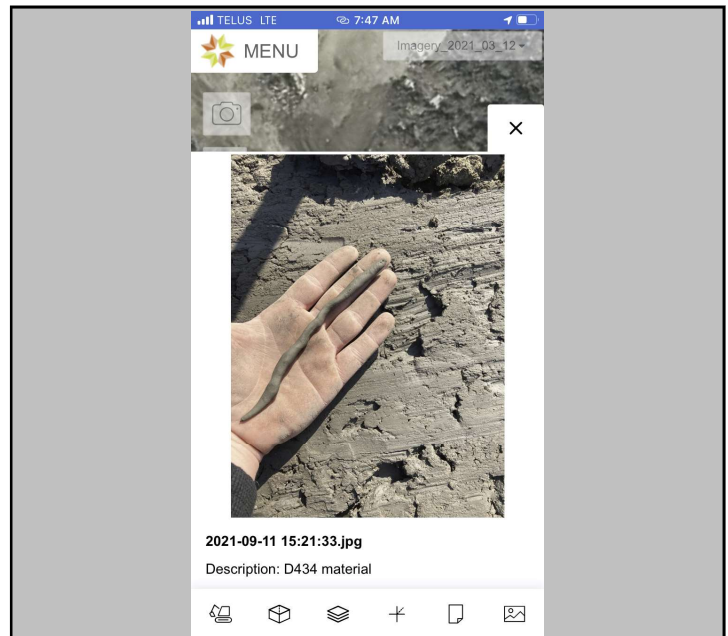


Photo #: 4

- D434 material

PHOTOGRAPHS

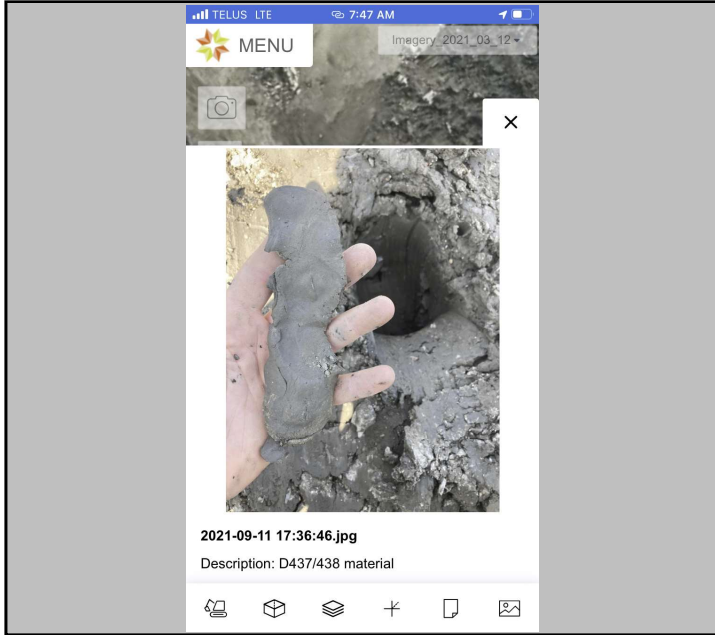


Photo #: 5

- D437/438 material (comparison area)

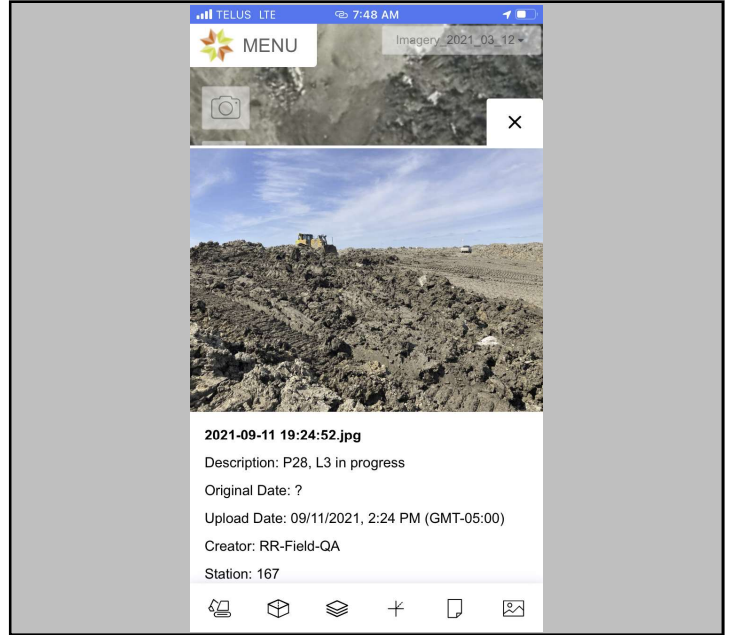


Photo #: 6

- P28, L3 in progress

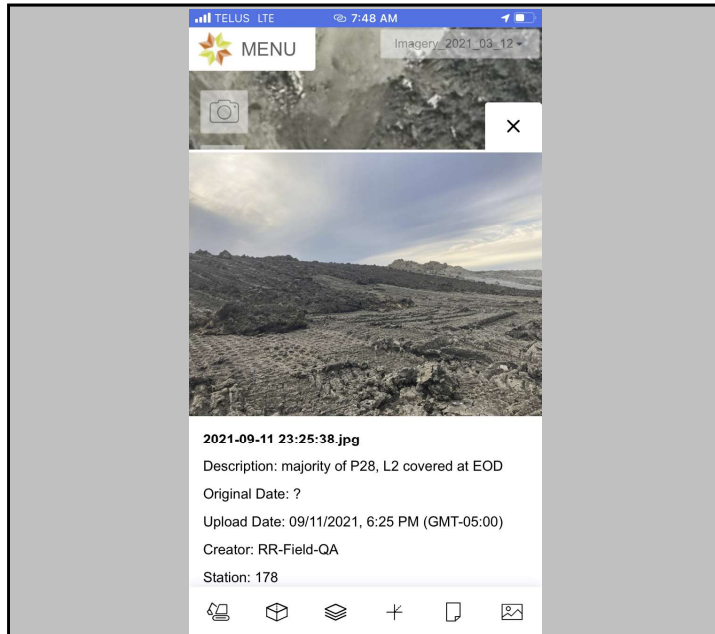


Photo #: 7

- P28, L2 mostly covered at EOD



Photo #: 8

<b>Date:</b>	September 12, 2021	<b>Owner/Client:</b>	New Gold Inc.
<b>Day:</b>	Sunday	<b>Okane Project #:</b>	1003-027
<b>Prepared by:</b>	Brady Hay	<b>Project Location:</b>	Ontario

Number of Pages in Report 4

**Environmental Conditions:**

<u>Morning Conditions</u>	Weather	Clear	Precipitation	0 mm
Temperature (High/Low)	14	9	Humidity	80 to 100%
			Wind	Still
<u>Afternoon Conditions</u>	Weather	Cloudy	Precipitation	0 mm
Temperature (High/Low)	17	14	Humidity	40 to 60%
			Wind	Low

**General Comments**

P27, L4:

- Lift in progress.

P28, L3:

- Night shift completed covering the exposed areas of L2 after day shift to avoid further crusting overnight.
- Material suitable for use in NCL.
- Lift completed to grade and pending survey.

P29 (0+339-0+388):

- Confirmed with CQC and New Gold that the waste rock surface for P29 has been approved for panel placement.
- Stockpile proctor requested in advance of starting construction of P29 in the coming days. During the process of obtaining a sample it became apparent the amount of rock in the area was too much to be selectively removed before placement. A sample was not taken due to the material being unsuitable for use in CCL. New Gold was informed of the material conditions and came for a site inspection. When the borrow source for the panel is decided on a stockpile sample from the area is recommended.

General:

- Met with CQC and Valence Allen to discuss the stockpiled material for P29 (0+339-0+388). The stockpile contained a large amount of stone throughout the pile and upon digging into areas for a proctor sample it became apparent the stone was not limited to just the surface. Valence agreed that the material is not suitable for use in CCL and would need to be removed prior to beginning placement of L1 with material from a borrow source.
- Excavation from EMRS21\_BP\_P23\_L2\_B24\_210905 inspected for desiccation, rehydrated, and filled in by the excavator.

CQA Representative:

<original signed by>

Issue #	Description	Location	Resolution	Monitor	Status
1	Increased amounts of oversize rock found in CCL	P01-P07	Oversize is to be removed by the excavator pre-emptively in the piles prior to placement. Remaining rock to be removed by the dozer during	Yes	Closed
2	Gaps in Tulloch placement map	P05-P06	More of an optics issue opposed to a quality concern. Tulloch informed and the issue was corrected moving forward.	Yes	Closed
3	Large amounts of dry material located in piles	P08-P15 P23-24	Mixing and blending of dry material with moist material or removal of dry material if abundant.	Yes	Closed
4	Issue with waste rock surface beneath the stockpiles	P16-P28	When identified the material in the area has been removed if necessary for Tulloch to reshoot the waste rock and update the waste rock surface.	Yes	Closed
				-	-

PHOTOGRAPHS

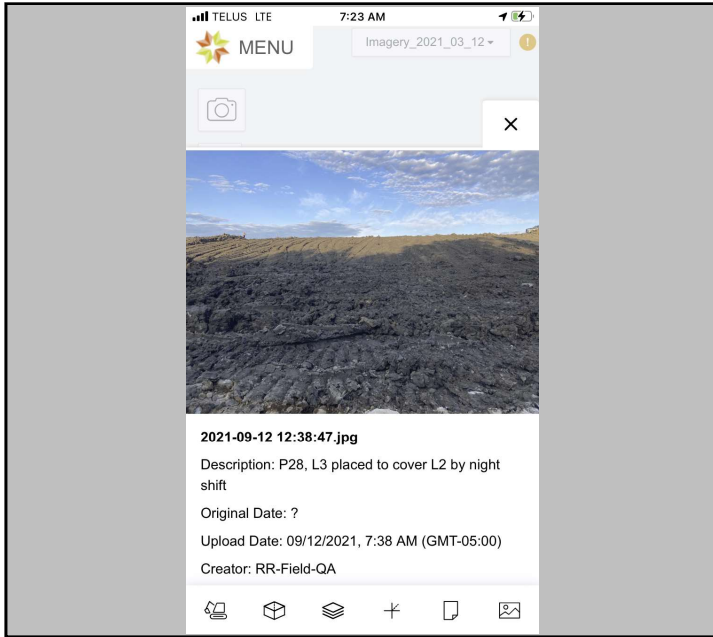


Photo #: 1

- P28, L3 thin layer completed by night shift to avoid desiccation

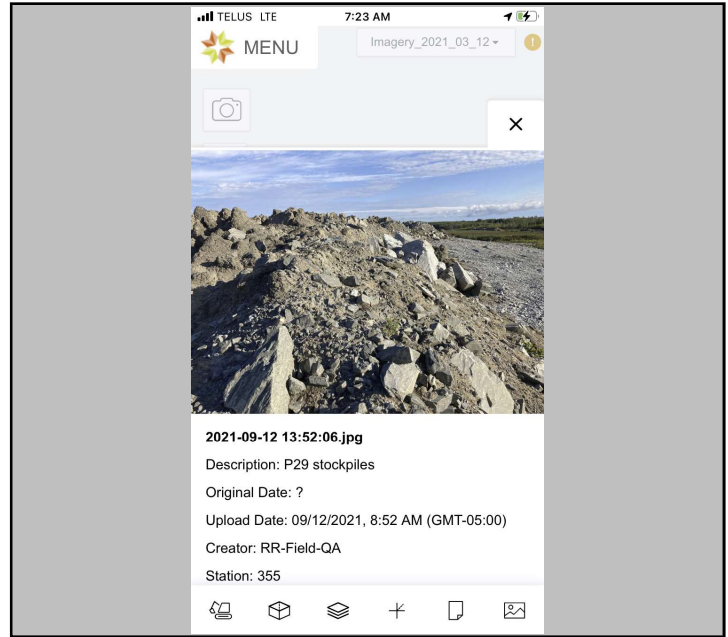


Photo #: 2

- P29 stockpile

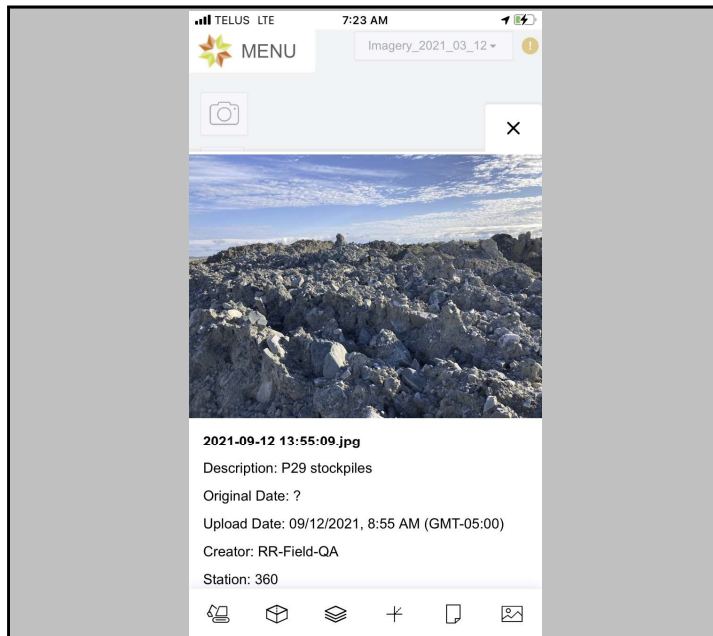


Photo #: 3

- P29 stockpile

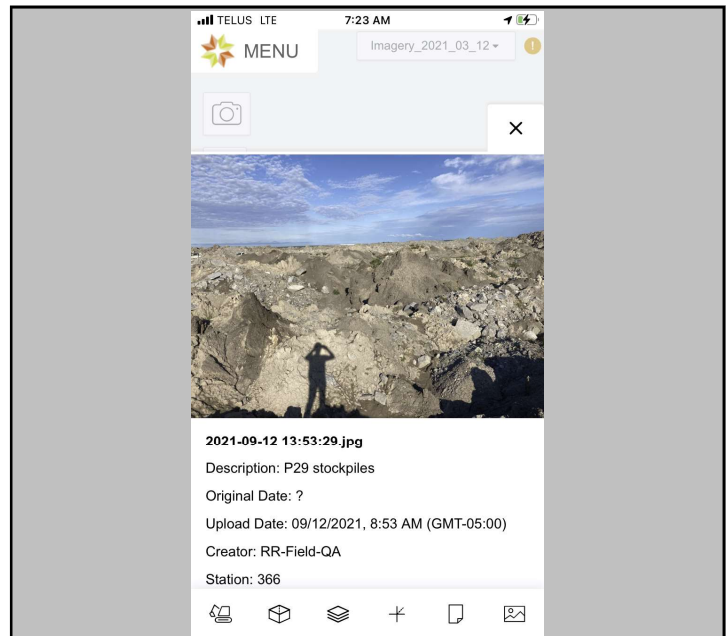


Photo #: 4

- P29 stockpile

**PHOTOGRAPHS**

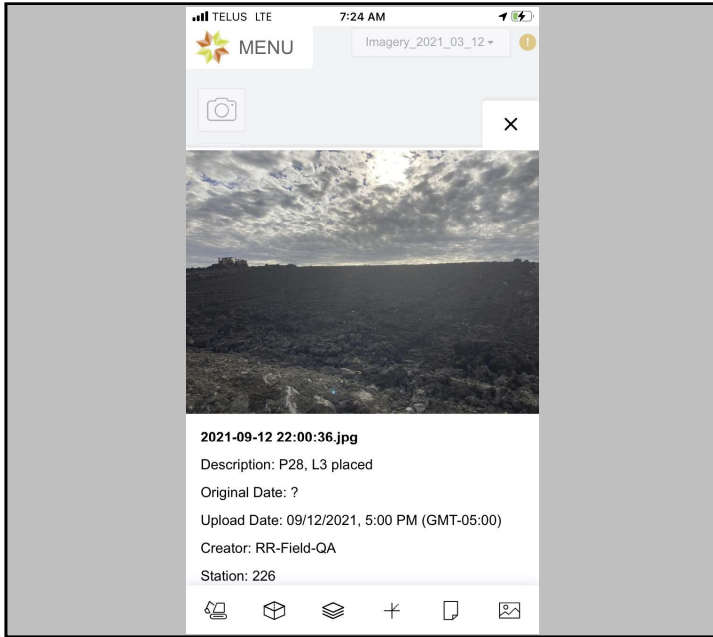


Photo #: 5

- P28, L3 placed

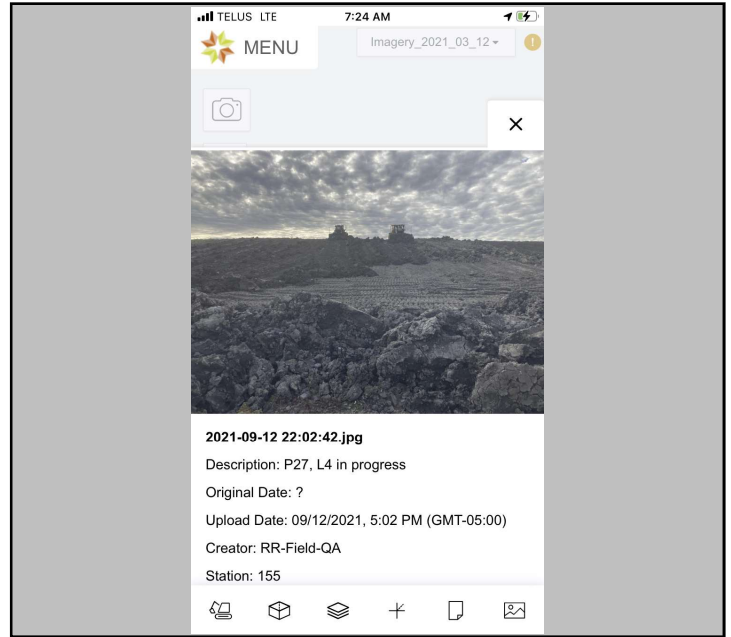


Photo #: 6

- P27, L4 in progress

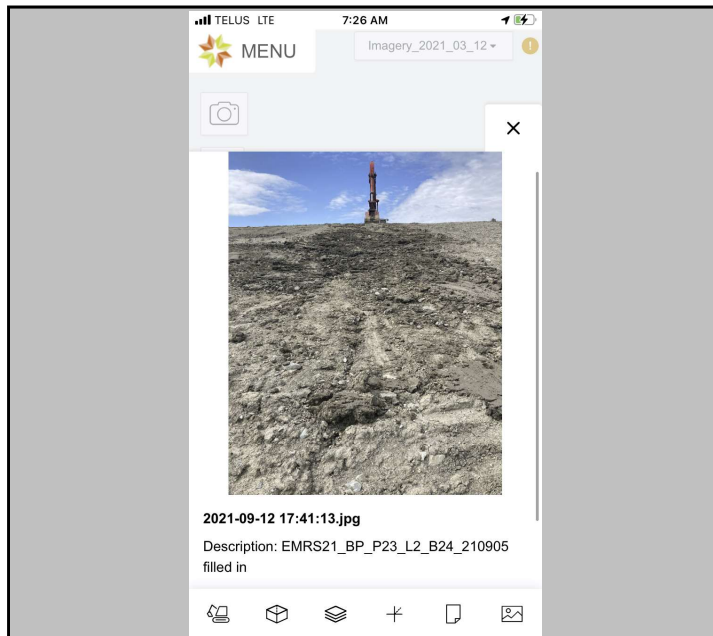


Photo #: 7

- EMRS21\_BP\_P23\_B24\_210905 exposed CCL filled in with excavator

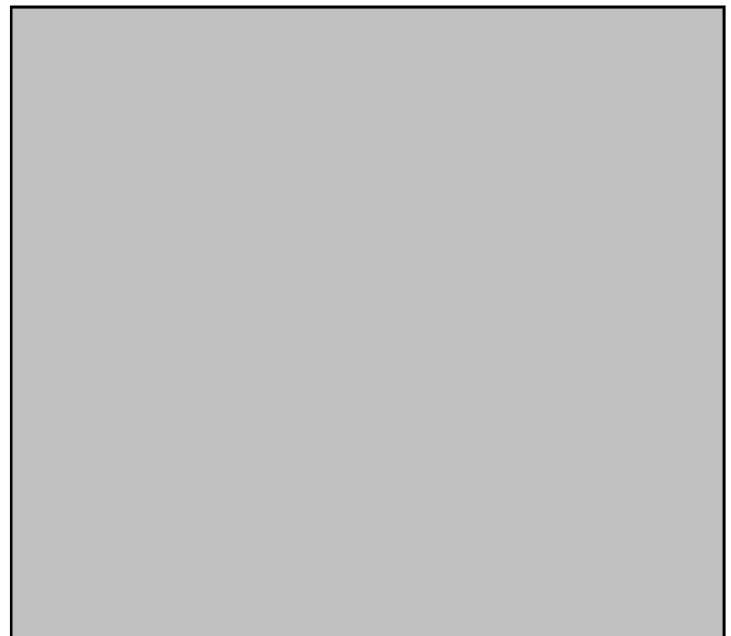


Photo #:

<b>Date:</b>	September 13, 2021	<b>Owner/Client:</b>	New Gold Inc.
<b>Day:</b>	Monday	<b>Okane Project #:</b>	1003-027
<b>Prepared by:</b>	Brady Hay	<b>Project Location:</b>	Ontario

Number of Pages in Report 4

**Environmental Conditions:**

<u>Morning Conditions</u>	Weather	Fair	Precipitation	0 mm
Temperature (High/Low)	15	10	Humidity	80 to 100%
			Wind	Still
<u>Afternoon Conditions</u>	Weather	Fair	Precipitation	0 mm
Temperature (High/Low)	20	15	Humidity	20 to 40%
			Wind	Low

**General Comments**

P27, L4:  
 - Material suitable for NCL use  
 - Once the lift was placed to grade extra material was required to achieve adequate drainage.  
 - Lift surveyed by Tulloch and proper thickness confirmed.

P28, L3:  
 - Surveyed by Tulloch and proper thickness confirmed.

P28, L4:  
 - Placement in progress with stockpiled material from the area and hauled material from further up chainage.  
 - Material suitable for NCL use.

General:  
 - Excavator beginning the process of cleaning up the east face of the stockpiles up chainage of P28. Operator able to sort through the material to send loads of rock to a waste pile and loads of NCL material to panels 27 & 28.

CQA Representative:

<original signed by>

Issue #	Description	Location	Resolution	Monitor	Status
1	Increased amounts of oversize rock found in CCL	P01-P07	Oversize is to be removed by the excavator pre-emptively in the piles prior to placement. Remaining rock to be removed by the dozer during	Yes	Closed
2	Gaps in Tulloch placement map	P05-P06	More of an optics issue opposed to a quality concern. Tulloch informed and the issue was corrected moving forward.	Yes	Closed
3	Large amounts of dry material located in piles	P08-P15 P23-24	Mixing and blending of dry material with moist material or removal of dry material if abundant.	Yes	Closed
4	Issue with waste rock surface beneath the stockpiles	P16-P28	When identified the material in the area has been removed if necessary for Tulloch to reshoot the waste rock and update the waste rock surface.	Yes	Closed
				-	-

**PHOTOGRAPHS**

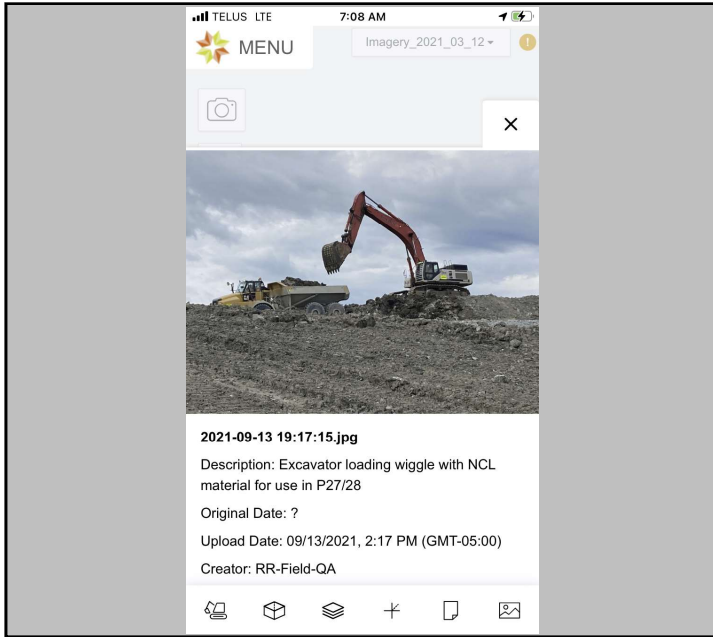


Photo #: 1

- Excavator loading trucks with NCL material for panels 27 &28

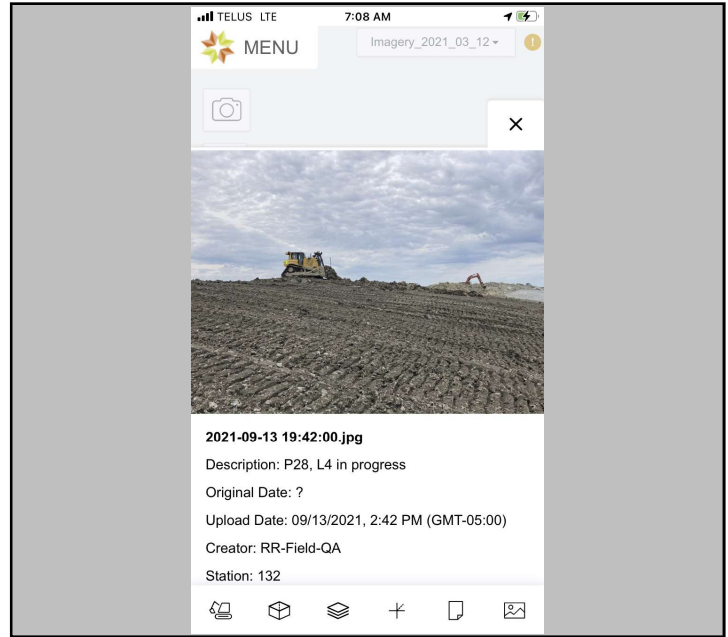


Photo #: 2

- P28, L4 in progress

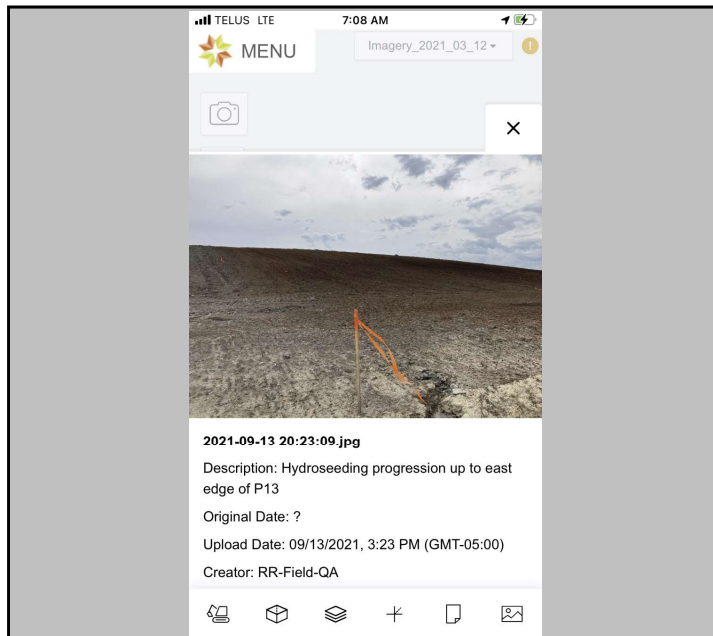


Photo #: 3

- Hydroseeding progression up to east edge of P13

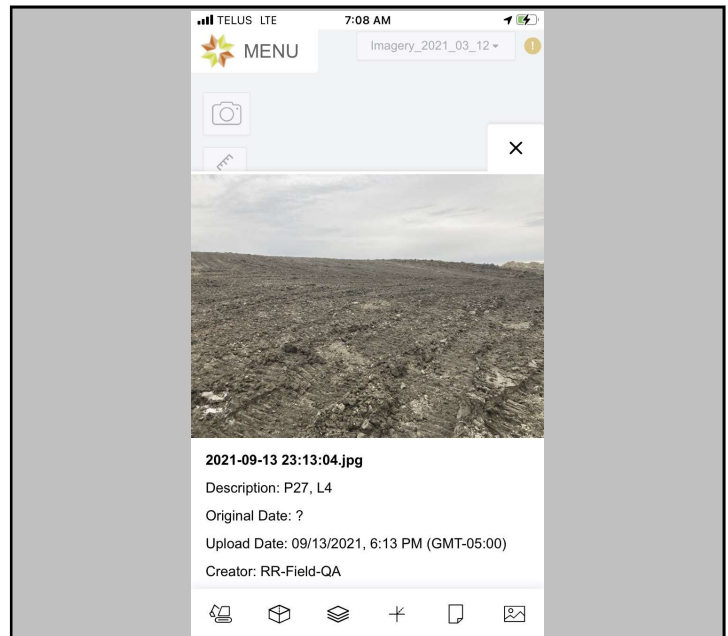


Photo #: 4

- P27, L4

**PHOTOGRAPHS**

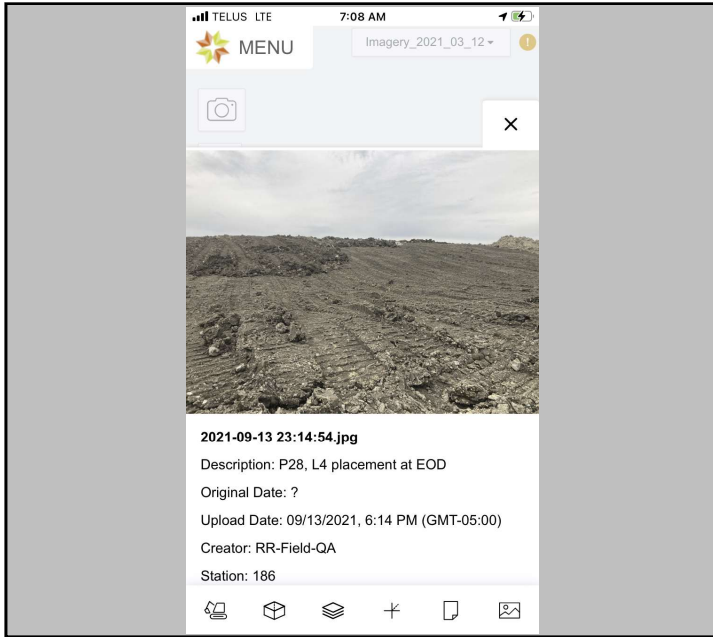


Photo #: 5

- P28, L4 at EOD

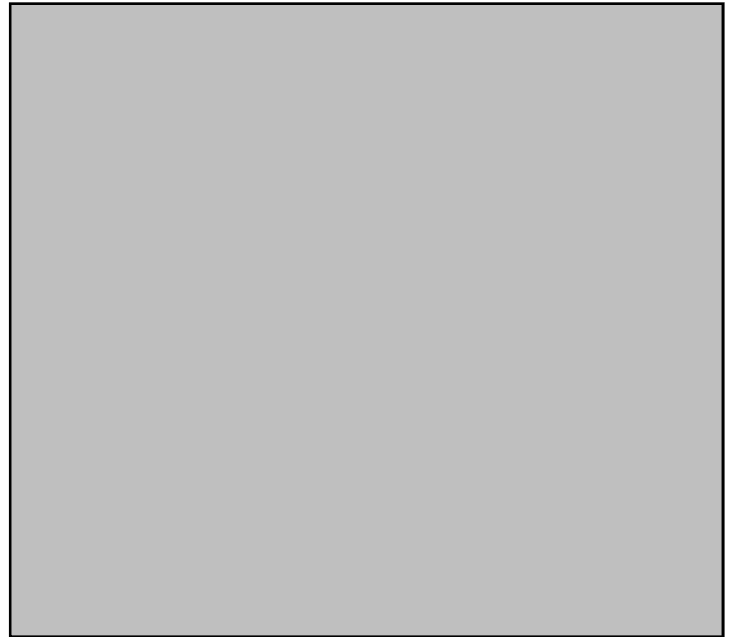


Photo #:



Photo #:



Photo #:

Duplicate Page

<b>Date:</b>	September 14, 2021	<b>Owner/Client:</b>	New Gold Inc.
<b>Day:</b>	Tuesday	<b>Okane Project #:</b>	1003-027
<b>Prepared by:</b>	Brady Hay	<b>Project Location:</b>	Ontario

Number of Pages in Report 4

**Environmental Conditions:**

<u>Morning Conditions</u>		Weather	Cloudy	Precipitation	0 mm
Temperature (High/Low)	17   10	Humidity	80 to 100%	Wind	Low
<u>Afternoon Conditions</u>		Weather	Clear	Precipitation	0 mm
Temperature (High/Low)	19   17	Humidity	40 to 60%	Wind	Moderate

**General Comments**

P27, L4:  
- North edge of the panel to be completed to grade during P28, L4 placement

P28, L3:  
- Lift given time to dry after previous nights rain.  
- Dozer used to skim and track pack the exposed areas of L3 to remove any remaining standing water. Once the top layer of the lift was removed the lift was deemed suitable for coverage by L4.

P28, L4:  
- Material suitable for use in NCL.  
- Placement in progress.

General:  
- No construction completed on the EMRS in the morning due to the previous nights rain. The material was given time to dry and was re-assessed at 14:30. P28, L3 had visibly dried since the morning and the recommendation was made to skim the exposed areas to remove any pooled water prior to coverage.  
- Met with Valence Allen and CQC to view the stockpiled material which will likely be used as a borrow source for the next panels.

CQA Representative:

<original signed by>

Issue #	Description	Location	Resolution	Monitor	Status
1	Increased amounts of oversize rock found in CCL	P01-P07	Oversize is to be removed by the excavator pre-emptively in the piles prior to placement. Remaining rock to be removed by the dozer during	Yes	Closed
2	Gaps in Tulloch placement map	P05-P06	More of an optics issue opposed to a quality concern. Tulloch informed and the issue was corrected moving forward.	Yes	Closed
3	Large amounts of dry material located in piles	P08-P15 P23-24	Mixing and blending of dry material with moist material or removal of dry material if abundant.	Yes	Closed
4	Issue with waste rock surface beneath the stockpiles	P16-P28	When identified the material in the area has been removed if necessary for Tulloch to reshoot the waste rock and update the waste rock surface.	Yes	Closed
				-	-

**PHOTOGRAPHS**

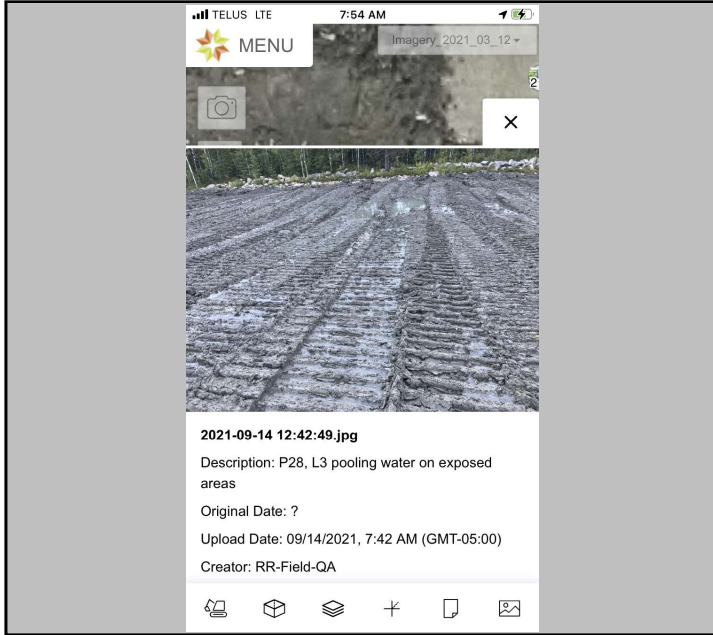


Photo #: 1

- P28, L3 morning conditions

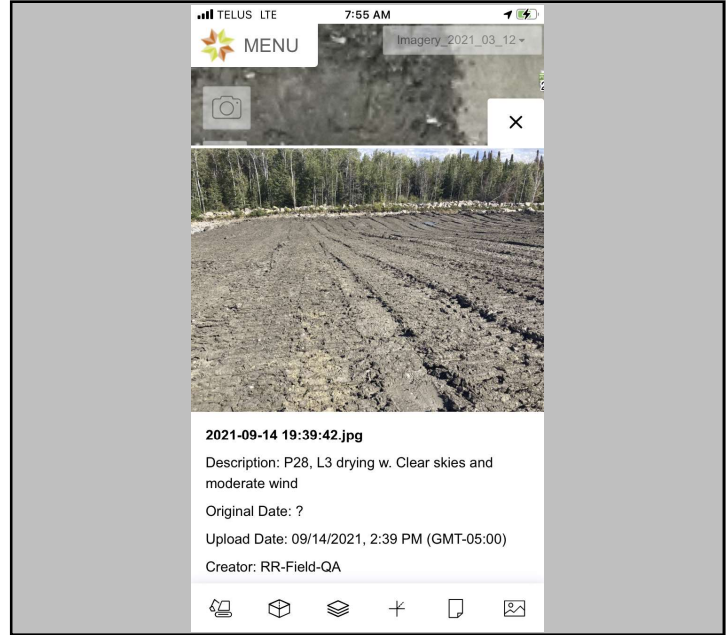


Photo #: 2

- P28, L3 drying with clear skies and moderate wind

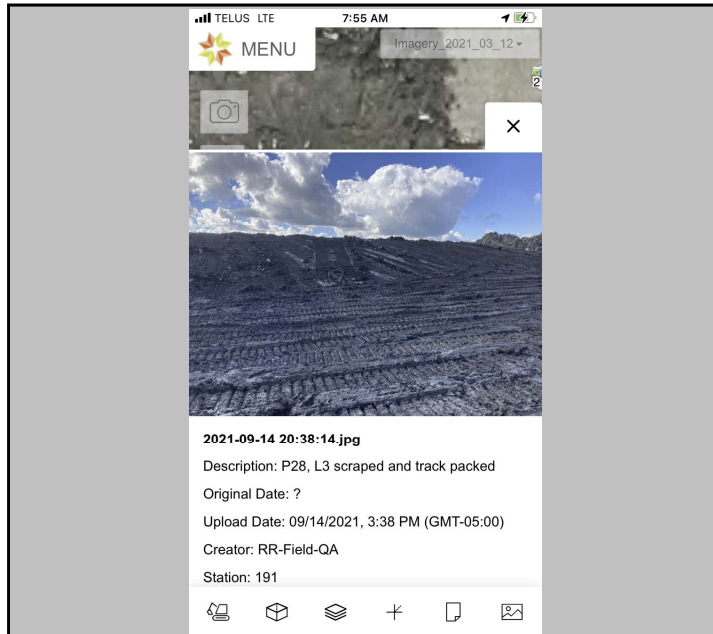


Photo #: 3

- P28, L3 skimmed and track packed to remove wet material and standing water

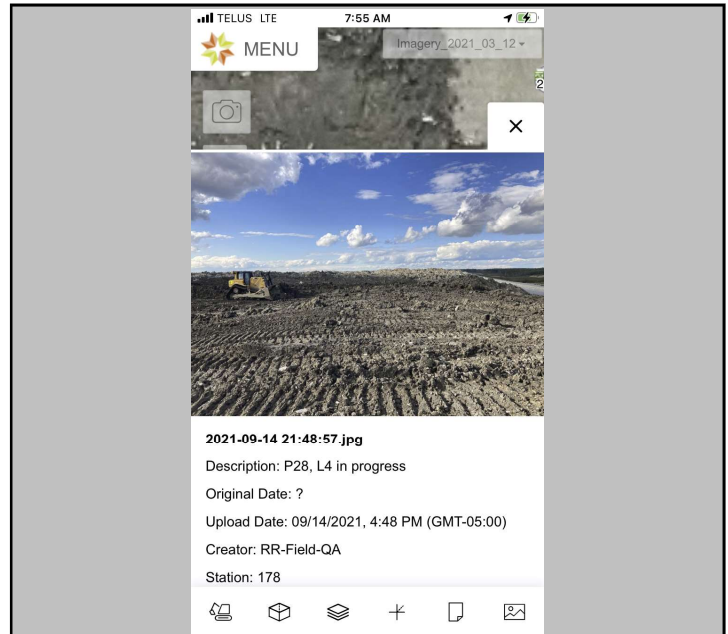


Photo #: 4

- P28, L4 in progress

**PHOTOGRAPHS**



Photo #:



Photo #:



Photo #:



Photo #:

<b>Date:</b>	September 15, 2021	<b>Owner/Client:</b>	New Gold Inc.
<b>Day:</b>	Wednesday	<b>Okane Project #:</b>	1003-027
<b>Prepared by:</b>	Brady Hay	<b>Project Location:</b>	Ontario

Number of Pages in Report 4

**Environmental Conditions:**

<u>Morning Conditions</u>	Weather	Fair	Precipitation	0 mm
Temperature (High/Low)	17	6	Humidity	80 to 100%
			Wind	Low
<u>Afternoon Conditions</u>	Weather	Cloudy	Precipitation	0 mm
Temperature (High/Low)	22	17	Humidity	40 to 60%
			Wind	Low

**General Comments**

P27, L4:  
- North edge and toe area of the panel to be completed to grade during P28, L4 placement.

P28, L4:  
- Material suitable for use in NCL.  
- Placement in progress.

General:  
- Removal of poor quality stockpiled material up chainage from P28 resumed. Excavator operator actively sorting through the material to send poor quality (rock filled) loads to the waste pile and NCL quality material to P28 for use in L4.  
- Construction shifted to have two dozers placing P28, L4 towards EOD with rain forecasted for tomorrow. Lift still in progress at EOD.

CQA Representative:

<original signed by>

Issue #	Description	Location	Resolution	Monitor	Status
1	Increased amounts of oversize rock found in CCL	P01-P07	Oversize is to be removed by the excavator pre-emptively in the piles prior to placement. Remaining rock to be removed by the dozer during	Yes	Closed
2	Gaps in Tulloch placement map	P05-P06	More of an optics issue opposed to a quality concern. Tulloch informed and the issue was corrected moving forward.	Yes	Closed
3	Large amounts of dry material located in piles	P08-P15 P23-24	Mixing and blending of dry material with moist material or removal of dry material if abundant.	Yes	Closed
4	Issue with waste rock surface beneath the stockpiles	P16-P28	When identified the material in the area has been removed if necessary for Tulloch to reshoot the waste rock and update the waste rock surface.	Yes	Closed
				-	-

**PHOTOGRAPHS**

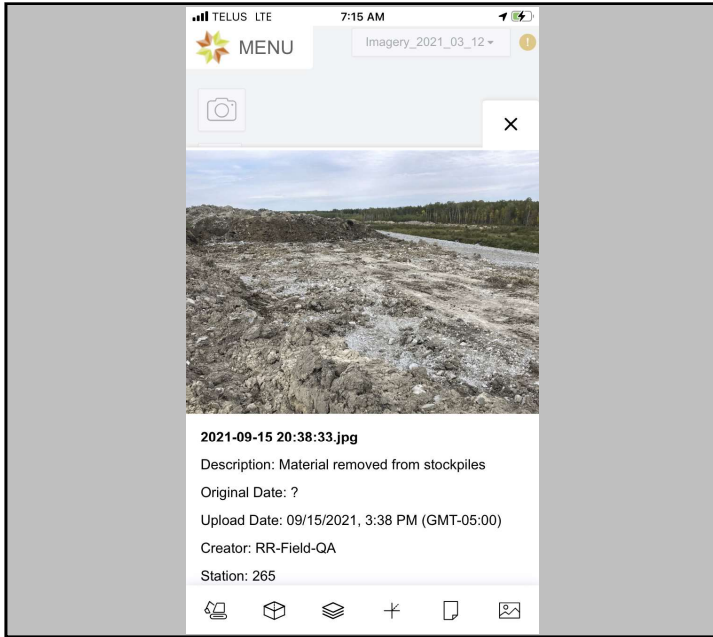


Photo #: 1

- Material removed from stockpiles

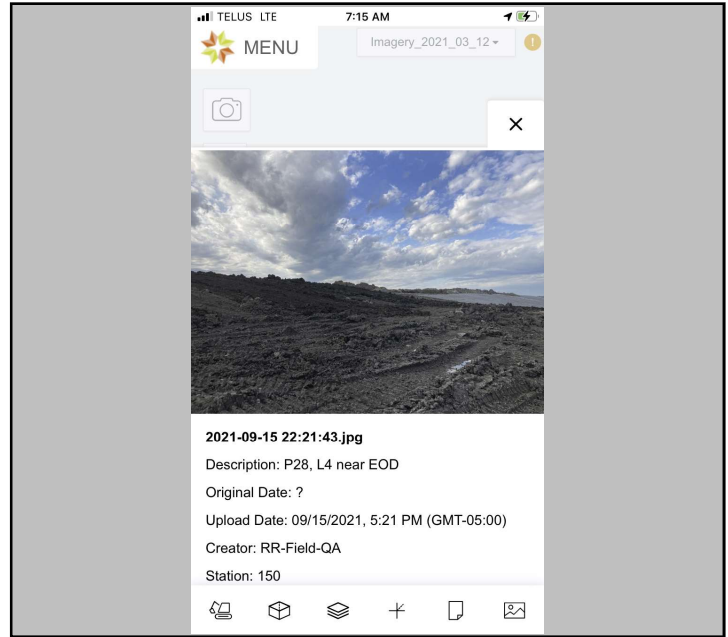


Photo #: 2

- P28, L4 near EOD



Photo #:



Photo #:

**PHOTOGRAPHS**



Photo #:



Photo #:



Photo #:



Photo #:

<b>Date:</b>	September 16, 2021	<b>Owner/Client:</b>	New Gold Inc.
<b>Day:</b>	Thursday	<b>Okane Project #:</b>	1003-027
<b>Prepared by:</b>	Brady Hay/Blake Weinrauch	<b>Project Location:</b>	Ontario

Number of Pages in Report 4

**Environmental Conditions:**

<u>Morning Conditions</u>		Weather	Cloudy	Precipitation	0 mm
Temperature (High/Low)	21   14	Humidity	80 to 100%	Wind	Low
<u>Afternoon Conditions</u>		Weather	Showers	Precipitation	0 - 5 mm
Temperature (High/Low)	22   21	Humidity	80 to 100%	Wind	Moderate

**General Comments**

P27, L4:  
- North edge and toe area to be tidied up and tied in with P28, L4 placement.

P28, L4:  
-Lift placed to adequate thickness, requires more material in order to achieve appropriate drainage.  
-Material suitable for use in NCL  
-Afternoon showers made material unworkable beyond 3:00pm and material was then bulk placed and cleaned up in preparation for suitable weather conditions.

General:  
-Excavator and haul truck actively removing rocky material from crest to the north of P28 in preparation for future panels. Material was sorted and rocky material was removed and discarded in waste piles; material free from rock was set aside for use in future NCL panels or hauled for use in P28, L4.  
-Afternoon showers left material moist and unworkable, with standing water on the slope.

CQA Representative:

<original signed by>

Issue #	Description	Location	Resolution	Monitor	Status
1	Increased amounts of oversize rock found in CCL	P01-P07	Oversize is to be removed by the excavator pre-emptively in the piles prior to placement. Remaining rock to be removed by the dozer during	Yes	Closed
2	Gaps in Tulloch placement map	P05-P06	More of an optics issue opposed to a quality concern. Tulloch informed and the issue was corrected moving forward.	Yes	Closed
3	Large amounts of dry material located in piles	P08-P15 P23-24	Mixing and blending of dry material with moist material or removal of dry material if abundant.	Yes	Closed
4	Issue with waste rock surface beneath the stockpiles	P16-P28	When identified the material in the area has been removed if necessary for Tulloch to reshoot the waste rock and update the waste rock surface.	Yes	Closed
				-	-

PHOTOGRAPHS

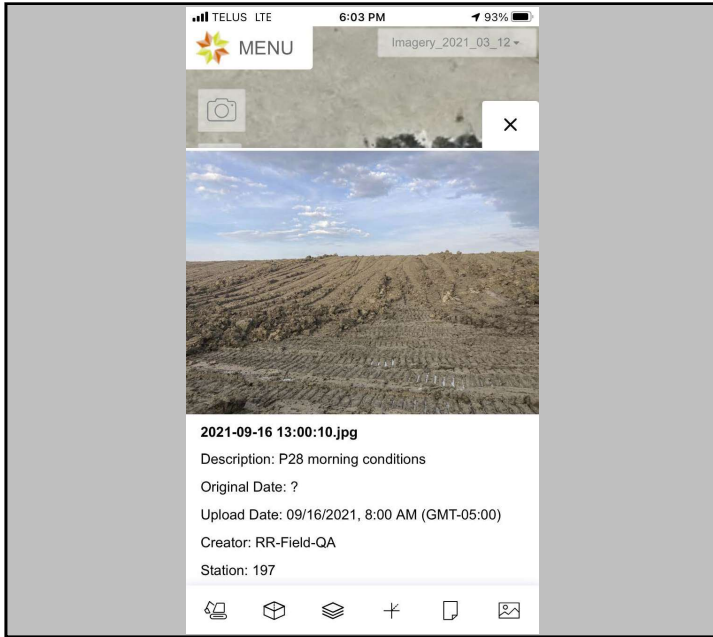


Photo #: 1

P28 L4 in the morning

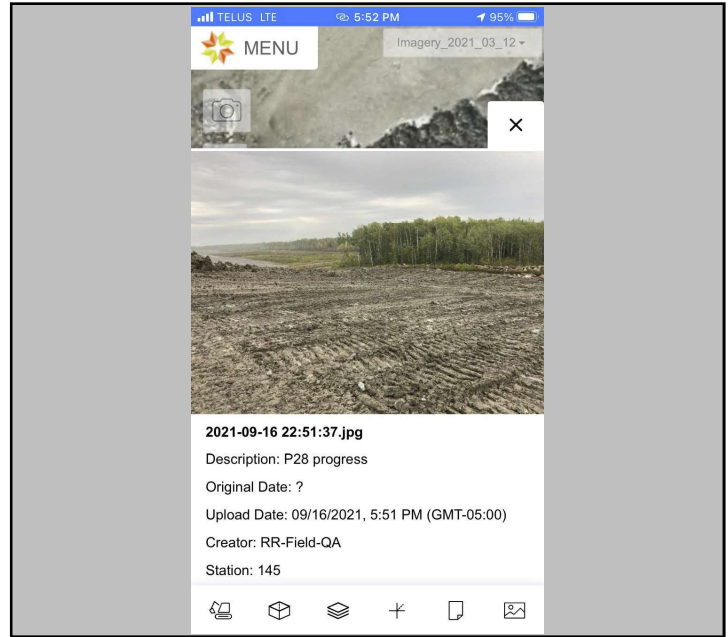


Photo #: 2

P28 L4 progress near EOD

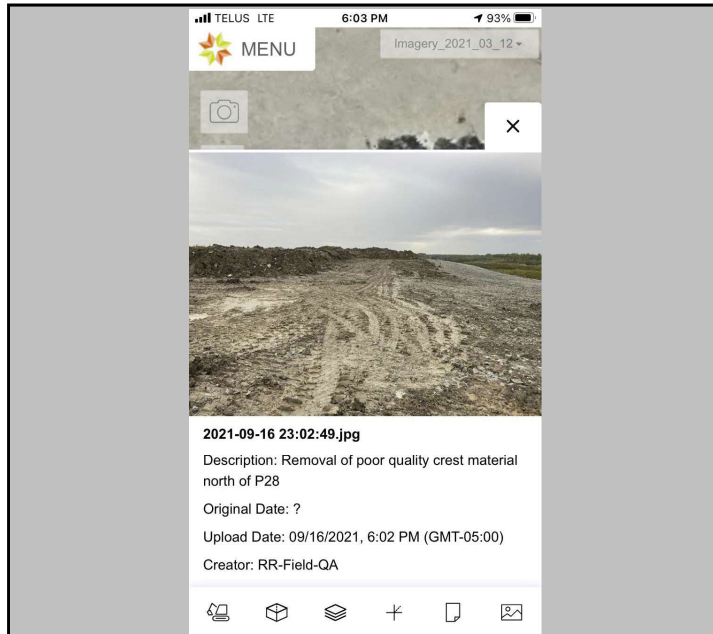


Photo #: 3

Removal of poor quality stockpiled material



Photo #:

<b>Date:</b>	September 17, 2021	<b>Owner/Client:</b>	New Gold Inc.
<b>Day:</b>	Friday	<b>Okane Project #:</b>	1003-027
<b>Prepared by:</b>	Blake Weinrauch	<b>Project Location:</b>	Ontario

Number of Pages in Report 3

**Environmental Conditions:**

<u>Morning Conditions</u>	Weather	Clear	Precipitation	0 mm
Temperature (High/Low)	13	8	Humidity	40 to 60%
			Wind	Moderate
<u>Afternoon Conditions</u>	Weather	Clear	Precipitation	0 mm
Temperature (High/Low)	16	13	Humidity	40 to 60%
			Wind	Moderate

**General Comments**

P27, L4:  
- Too wet for placement

P28, L4:  
-Too wet for placement

General:  
-No construction on EMRS for the day due to wet conditions. At the end of the day there was still some pooling of water in low spots with a thin crust forming on top of the material  
-Excavator and haul truck actively removing rocky material from crest to the north of P28 in preparation for future panels. Material was sorted and rocky material was removed and discarded in waste piles; material free from rock was set aside for use in future NCL panels.  
-Mine Ops hauling in rock and grading it with a dozer in preparation of future panels

CQA Representative:

<original signed by>

Issue #	Description	Location	Resolution	Monitor	Status
1	Increased amounts of oversize rock found in CCL	P01-P07	Oversize is to be removed by the excavator pre-emptively in the piles prior to placement. Remaining rock to be removed by the dozer during	Yes	Closed
2	Gaps in Tulloch placement map	P05-P06	More of an optics issue opposed to a quality concern. Tulloch informed and the issue was corrected moving forward.	Yes	Closed
3	Large amounts of dry material located in piles	P08-P15 P23-24	Mixing and blending of dry material with moist material or removal of dry material if abundant.	Yes	Closed
4	Issue with waste rock surface beneath the stockpiles	P16-P28	When identified the material in the area has been removed if necessary for Tulloch to reshoot the waste rock and update the waste rock surface.	Yes	Closed
				-	-

**PHOTOGRAPHS**

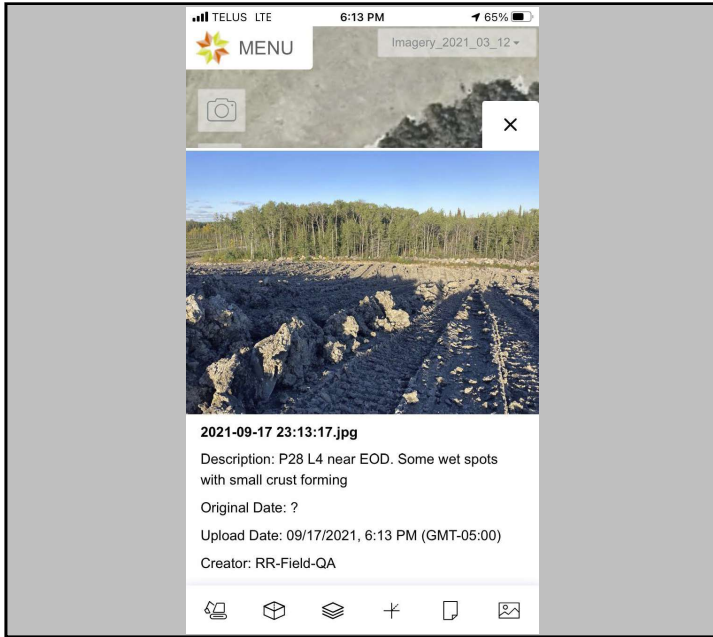


Photo #: 1

P28 L4 near EOD. Pooling in low spots with thin crust forming on surface

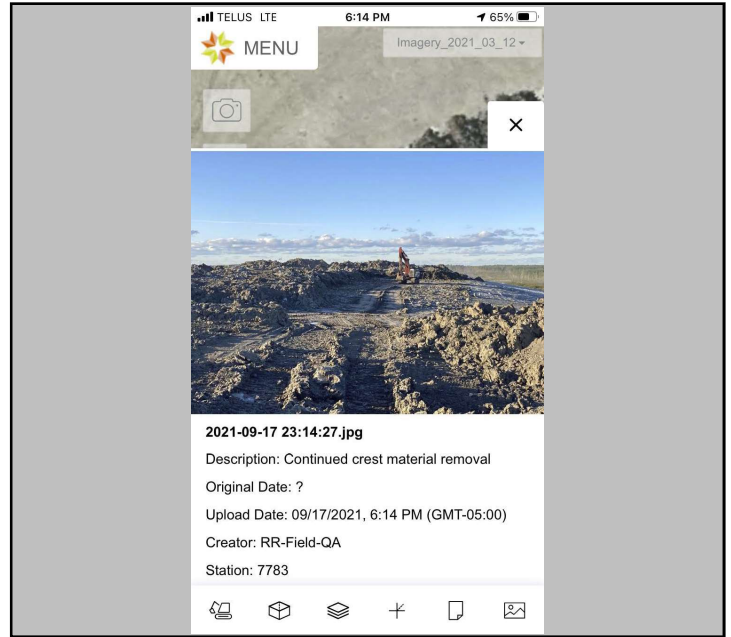


Photo #: 2

Continued removal of crest material



Photo #:



Photo #:

<b>Date:</b>	September 18, 2021	<b>Owner/Client:</b>	New Gold Inc.
<b>Day:</b>	Saturday	<b>Okane Project #:</b>	1003-027
<b>Prepared by:</b>	Blake Weinrauch	<b>Project Location:</b>	Ontario

Number of Pages in Report 4

**Environmental Conditions:**

<u>Morning Conditions</u>	Weather	Clear	Precipitation	0 mm
Temperature (High/Low)	15	4	Humidity	80 to 100%
			Wind	Low
<u>Afternoon Conditions</u>	Weather	Clear	Precipitation	0 mm
Temperature (High/Low)	23	15	Humidity	80 to 100%
			Wind	Low

**General Comments**

P27, L4:  
- Will be completed with final grading of P28

P28, L4:  
- Extra material needing to be graded to allow for drainage

P29, L1:  
- Material actively hauled throughout the day. Initial material appeared to have a large quantity of lighter brown, siltier material in it. Okane visited the borrow source and recommended switching to a new area in the borrow which consisted of more visually darker brown material. The switch was made and material placed on P29 appeared darker brown some some patches of lighter brown, silty material.  
- Operator requested Okane return to the borrow in the afternoon to visually inspect material, and darker brown, more clayey material was recommended to be sent for use in CCL and the lighter brown siltier material to be sent for NCL lifts.  
- Key trench was originally dug to a very shallow depth (~0.3m) , as it was originally believed to be at the ground water table due to high volume of water in the area. It was Okane's opinion that the water encountered was surficial runoff accumulation due to the key trench being in low lying terrain and recent rain fall events. The recommendation was made to excavate a hole away from the standing water in the area to determine if it would fill with groundwater. The material removed from the hole was dry, and very silty, with no groundwater infilling the hole. The decision was then made to terminate the key trench at a depth of 3m. The water filled, low spot location of the key trench continues for roughly 20m heading north.

General:  
- Waste rock surface remediation will need to occur before P30 is constructed to the north of P29.

CQA Representative:

<original signed by>

Issue #	Description	Location	Resolution	Monitor	Status
1	Increased amounts of oversize rock found in CCL	P01-P07	Oversize is to be removed by the excavator pre-emptively in the piles prior to placement. Remaining rock to be removed by the dozer during	Yes	Closed
2	Gaps in Tulloch placement map	P05-P06	More of an optics issue opposed to a quality concern. Tulloch informed and the issue was corrected moving forward.	Yes	Closed
3	Large amounts of dry material located in piles	P08-P15 P23-24	Mixing and blending of dry material with moist material or removal of dry material if abundant.	Yes	Closed
4	Issue with waste rock surface beneath the stockpiles	P16-P29	When identified the material in the area has been removed if necessary for Tulloch to reshoot the waste rock and update the waste rock surface.	Yes	Closed
				-	-

**PHOTOGRAPHS**

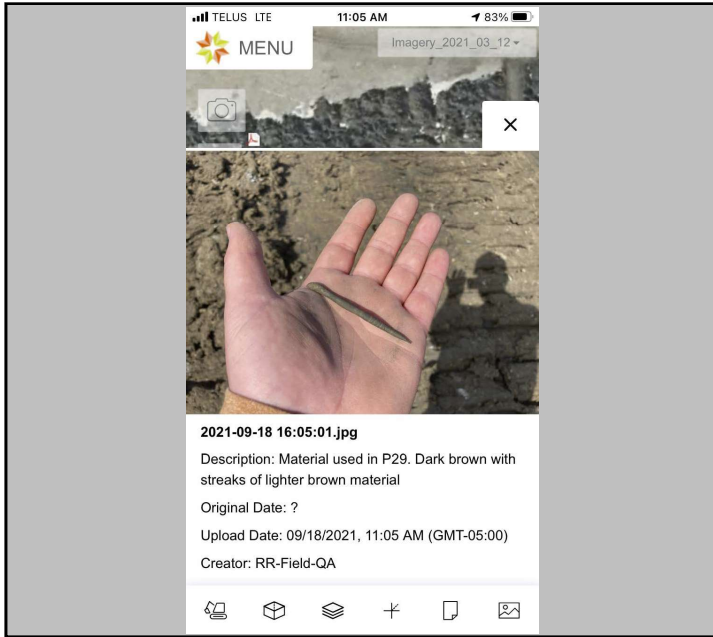


Photo #: 1

P29 L1 material was dark brown with streaks of lighter brown material in it

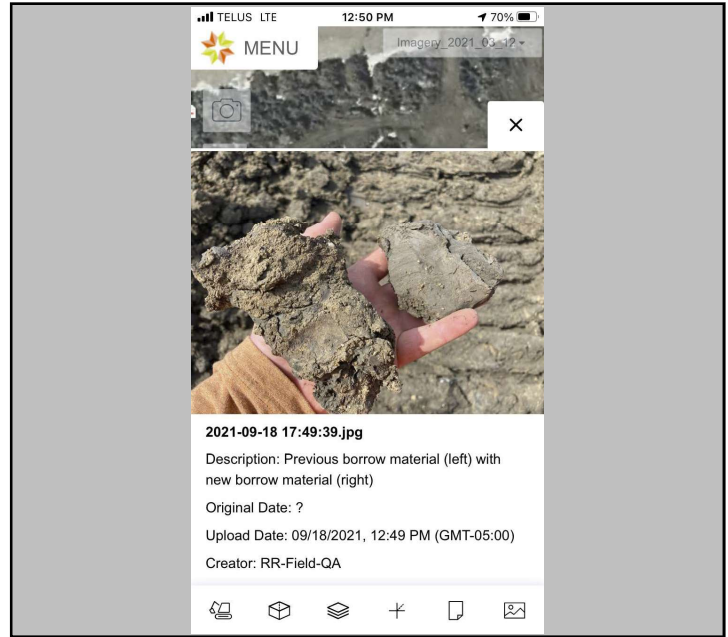


Photo #: 2

Previous siltier borrow material (left) with new clayey borrow material (right)

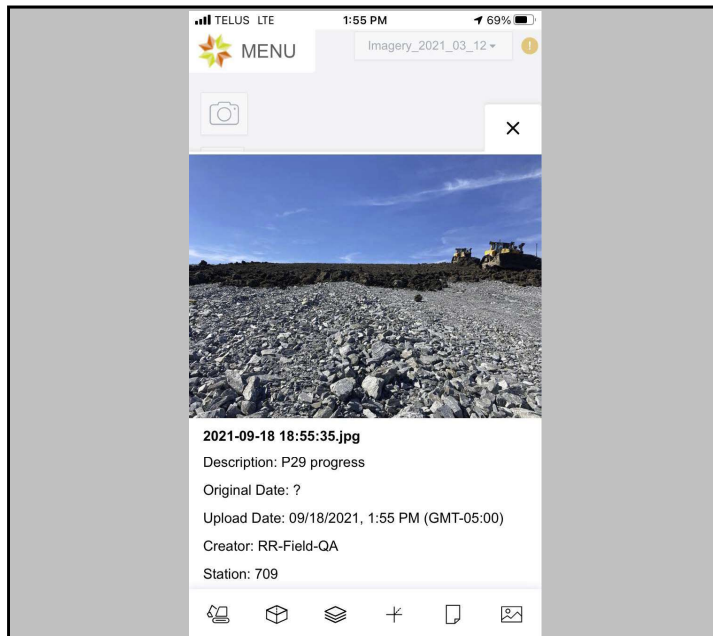


Photo #:

P29 L1 progress

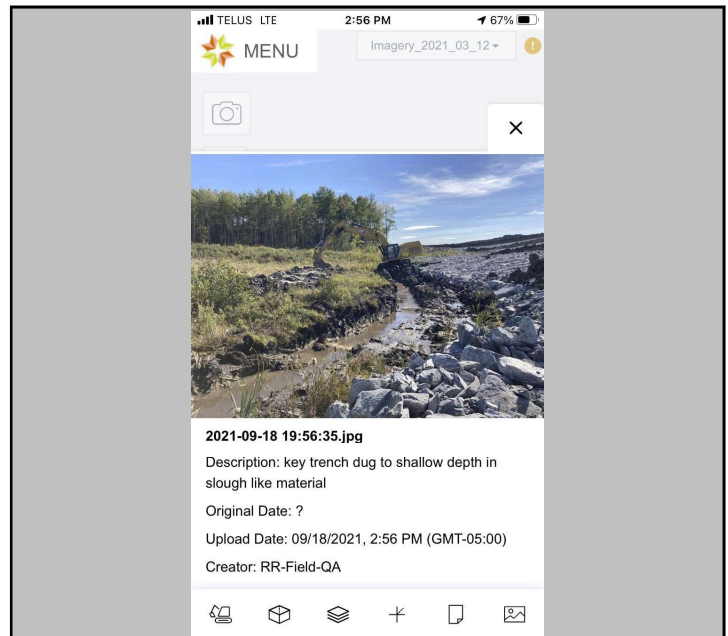


Photo #: 4

Key trench originally dug to shallow depth in slough like material

**PHOTOGRAPHS**

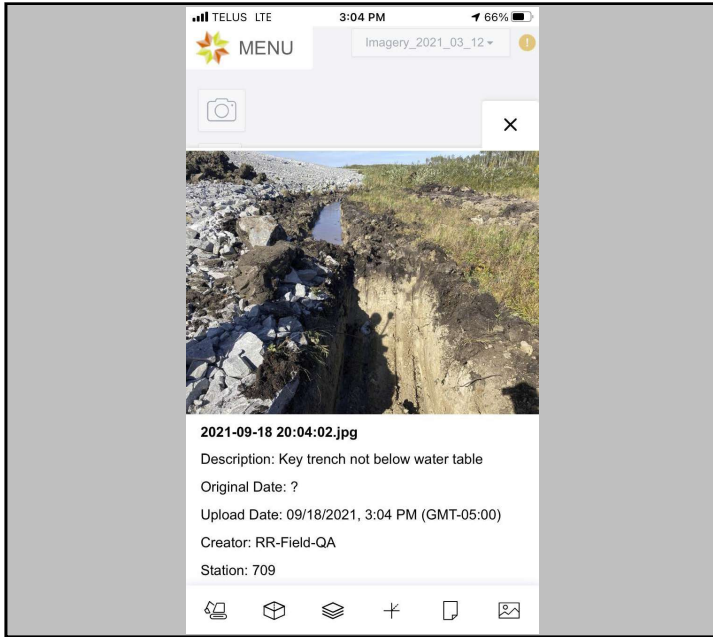


Photo #: 5

Test pit to determine if key trench was below water table

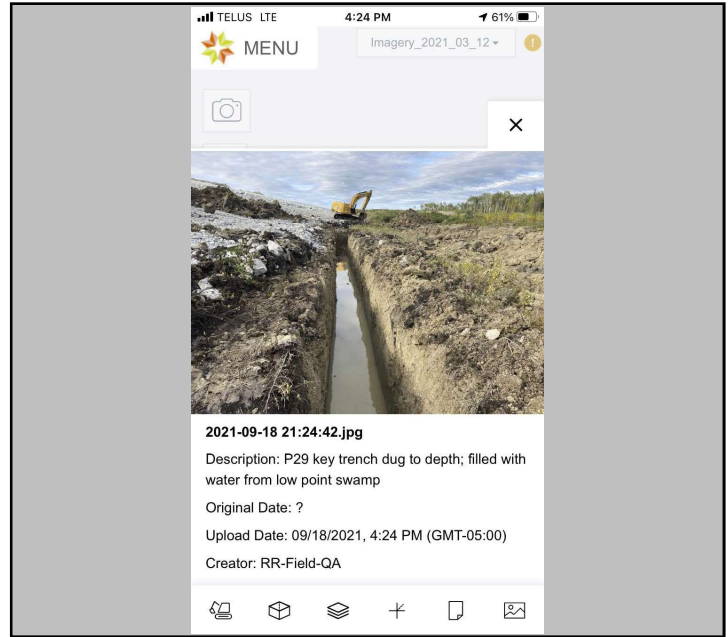


Photo #: 6

P29 key trench terminated at around 3m in silty, sandy, clay. Water infill from low point



Photo #:



Photo #:

<b>Date:</b>	September 19, 2021	<b>Owner/Client:</b>	New Gold Inc.
<b>Day:</b>	Sunday	<b>Okane Project #:</b>	1003-027
<b>Prepared by:</b>	Blake Weinrauch	<b>Project Location:</b>	Ontario

Number of Pages in Report 3

**Environmental Conditions:**

<u>Morning Conditions</u>		Weather	Fair	Precipitation	0 mm
Temperature (High/Low)	19   15	Humidity	60 to 80%	Wind	Moderate
<u>Afternoon Conditions</u>		Weather	Cloudy	Precipitation	0 mm
Temperature (High/Low)	25   19	Humidity	60 to 80%	Wind	High

**General Comments**

P27, L4:  
- Will be completed with final grading of P28

P28, L4:  
- Extra material needing to be graded to allow for drainage. Operators were able to complete some work on this panel while testing of P29 L1 was occurring

P29, L1:  
- Final grading and compaction took place in the morning. Due to the variability of material, sourcing from different locations, and lack of an appropriate proctor; material testing results were compared against a proctor selected from a one point proctor test. The results across the panel fell within acceptable and expected ranged of values, and the lift will be approved pending proctor results  
- Higher dry densities were found on the south side of the panel and that was to be expected as the material placed here had a higher amount of silt content before switching borrow locations  
- Material appeared very dark brown, and was very pliable and plastic, with some streaks of lighter brown material mixed in

P29, L2:  
- The recommendation was made to skim cover the entirety of P29, L1 before the end of the day in order to protect the lift, as extreme rainfall was expected overnight. P29, L2 was able to be placed fully covering L1, at a reduced thickness.  
- Material sourced from the same location as P29, L1 and appeared very dark brown, pliable, with some streaks of lighter brown material mixed in.

General:  
- Waste rock surface remediation occurring north of P29.

CQA Representative:

<original signed by>

Issue #	Description	Location	Resolution	Monitor	Status
1	Increased amounts of oversize rock found in CCL	P01-P07	Oversize is to be removed by the excavator pre-emptively in the piles prior to placement. Remaining rock to be removed by the dozer during	Yes	Closed
2	Gaps in Tulloch placement map	P05-P06	More of an optics issue opposed to a quality concern. Tulloch informed and the issue was corrected moving forward.	Yes	Closed
3	Large amounts of dry material located in piles	P08-P15 P23-24	Mixing and blending of dry material with moist material or removal of dry material if abundant.	Yes	Closed
4	Issue with waste rock surface beneath the stockpiles	P16-P29	When identified the material in the area has been removed if necessary for Tulloch to reshoot the waste rock and update the waste rock surface.	Yes	Closed
				-	-

**PHOTOGRAPHS**

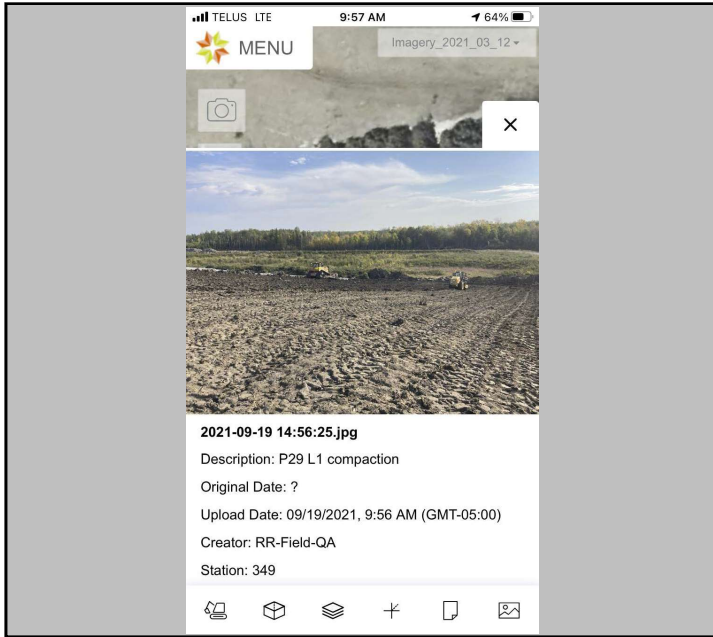


Photo #: 1

P29 L1 compaction

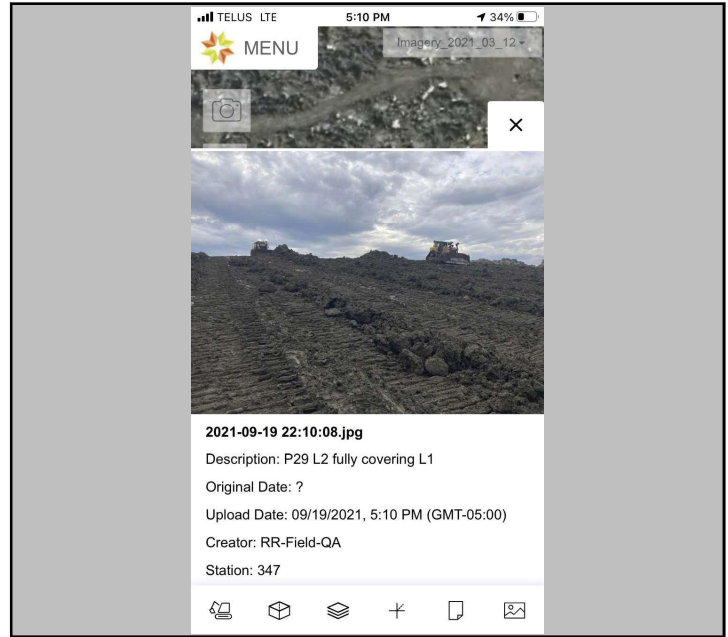


Photo #: 2

P29 L2 fully covering L1



Photo #:



Photo #:

<b>Date:</b>	September 20, 2021	<b>Owner/Client:</b>	New Gold Inc.
<b>Day:</b>	Monday	<b>Okane Project #:</b>	1003-027
<b>Prepared by:</b>	Blake Weinrauch	<b>Project Location:</b>	Ontario

Number of Pages in Report 3

**Environmental Conditions:**

<u>Morning Conditions</u>		Weather	Rain	Precipitation	10 - 20 mm
Temperature (High/Low)	15   12	Humidity	80 to 100%	Wind	Low
<u>Afternoon Conditions</u>		Weather	Showers	Precipitation	0 - 5 mm
Temperature (High/Low)	17   11	Humidity	80 to 100%	Wind	High

**General Comments**

General:  
- No work took place on EMRS due to extreme overnight rainfall

CQA Representative:

<original signed by>

Issue #	Description	Location	Resolution	Monitor	Status
1	Increased amounts of oversize rock found in CCL	P01-P07	Oversize is to be removed by the excavator pre-emptively in the piles prior to placement. Remaining rock to be removed by the dozer during	Yes	Closed
2	Gaps in Tulloch placement map	P05-P06	More of an optics issue opposed to a quality concern. Tulloch informed and the issue was corrected moving forward.	Yes	Closed
3	Large amounts of dry material located in piles	P08-P15 P23-24	Mixing and blending of dry material with moist material or removal of dry material if abundant.	Yes	Closed
4	Issue with waste rock surface beneath the stockpiles	P16-P29	When identified the material in the area has been removed if necessary for Tulloch to reshoot the waste rock and update the waste rock surface.	Yes	Closed
				-	-

**PHOTOGRAPHS**



Photo #:



Photo #:



Photo #:



Photo #:

Duplicate Page

<b>Date:</b>	September 21, 2021	<b>Owner/Client:</b>	New Gold Inc.
<b>Day:</b>	Tuesday	<b>Okane Project #:</b>	1003-027
<b>Prepared by:</b>	Blake Weinrauch	<b>Project Location:</b>	Ontario

Number of Pages in Report 3

**Environmental Conditions:**

<u>Morning Conditions</u>		Weather	Cloudy	Precipitation	0 mm
Temperature (High/Low)	14   9	Humidity	60 to 80%	Wind	Low
<u>Afternoon Conditions</u>		Weather	Clear	Precipitation	0 mm
Temperature (High/Low)	15   14	Humidity	20 to 40%	Wind	Low

**General Comments**

General:  
- No work took place on EMRS due to wet conditions

CQA Representative:

<original signed by>

Issue #	Description	Location	Resolution	Monitor	Status
1	Increased amounts of oversize rock found in CCL	P01-P07	Oversize is to be removed by the excavator pre-emptively in the piles prior to placement. Remaining rock to be removed by the dozer during	Yes	Closed
2	Gaps in Tulloch placement map	P05-P06	More of an optics issue opposed to a quality concern. Tulloch informed and the issue was corrected moving forward.	Yes	Closed
3	Large amounts of dry material located in piles	P08-P15 P23-24	Mixing and blending of dry material with moist material or removal of dry material if abundant.	Yes	Closed
4	Issue with waste rock surface beneath the stockpiles	P16-P29	When identified the material in the area has been removed if necessary for Tulloch to reshoot the waste rock and update the waste rock surface.	Yes	Closed
				-	-

**PHOTOGRAPHS**



Photo #:



Photo #:



Photo #:



Photo #:

Duplicate Page

<b>Date:</b>	September 22, 2021	<b>Owner/Client:</b>	New Gold Inc.
<b>Day:</b>	Wednesday	<b>Okane Project #:</b>	1003-027
<b>Prepared by:</b>	Blake Weinrauch	<b>Project Location:</b>	Ontario

Number of Pages in Report 3

**Environmental Conditions:**

<u>Morning Conditions</u>	Weather	Clear	Precipitation	0 mm
Temperature (High/Low)	15	5	Humidity	80 to 100%
			Wind	Low
<u>Afternoon Conditions</u>	Weather	Clear	Precipitation	0 mm
Temperature (High/Low)	19	15	Humidity	60 to 80%
			Wind	Low

**General Comments**

P27, L4:  
-Low spot filled in with NCL material

P28, L4:  
-All material placed and graded to allow for drainage. Lift surveyed and thickness confirmed.  
Minor touch-ups to be completed during downtime

P29, L2:  
-Attempt made to pack with sheepsfoot roller failed as the material was still too wet.  
-Lift tack compacted by dozer at end of day to promote overnight drying

General:  
-Unsuitable, rocky material at crest of slope north of P29 removed in anticipation of further construction.  
-Lack of waste rock immediately north of P29 indicates further waste rock placement and rework required by Mine Ops

CQA Representative:

<original signed by>

Issue #	Description	Location	Resolution	Monitor	Status
1	Increased amounts of oversize rock found in CCL	P01-P07	Oversize is to be removed by the excavator pre-emptively in the piles prior to placement. Remaining rock to be removed by the dozer during	Yes	Closed
2	Gaps in Tulloch placement map	P05-P06	More of an optics issue opposed to a quality concern. Tulloch informed and the issue was corrected moving forward.	Yes	Closed
3	Large amounts of dry material located in piles	P08-P15 P23-24	Mixing and blending of dry material with moist material or removal of dry material if abundant.	Yes	Closed
4	Issue with waste rock surface beneath the stockpiles	P16-P29	When identified the material in the area has been removed if necessary for Tulloch to reshoot the waste rock and update the waste rock surface.	Yes	Closed
				-	-

**PHOTOGRAPHS**

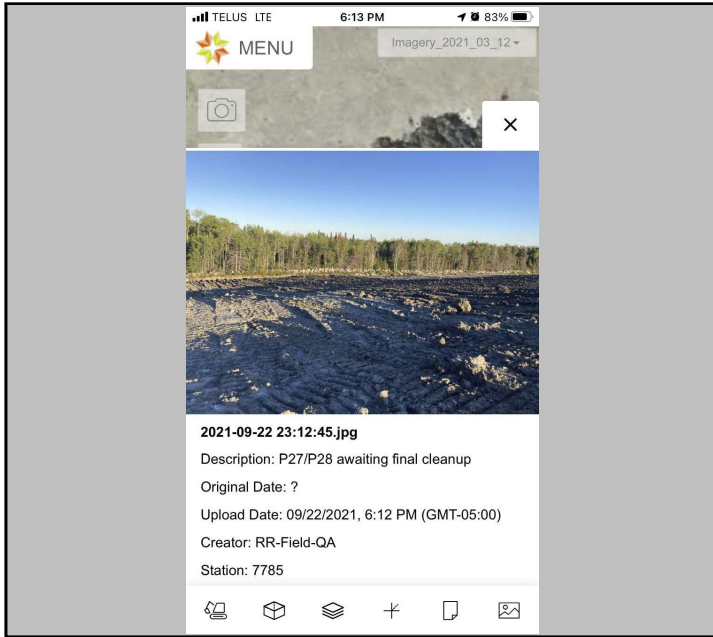


Photo #: 1

P27/P28 awaiting final cleanup. Placement complete

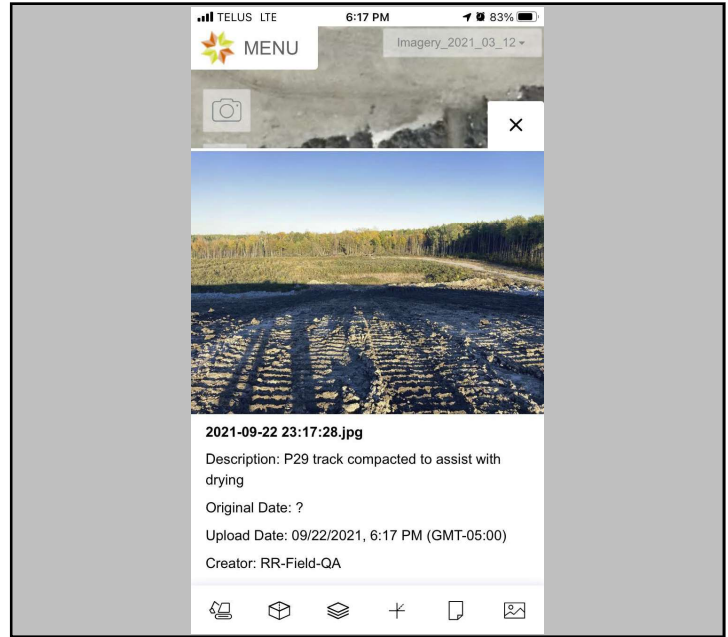


Photo #: 2

P29 L2 track compacted to promote drying

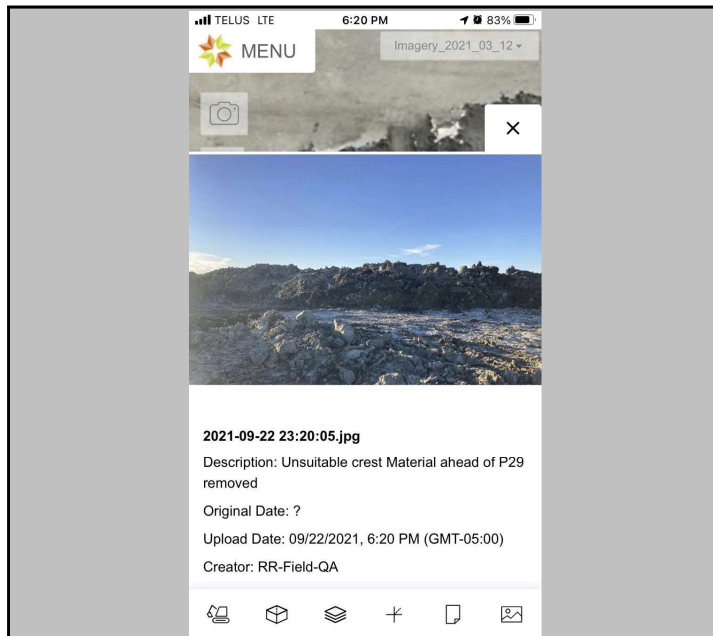


Photo #: 3

Unsuitable material ahead of P29 removed at crest

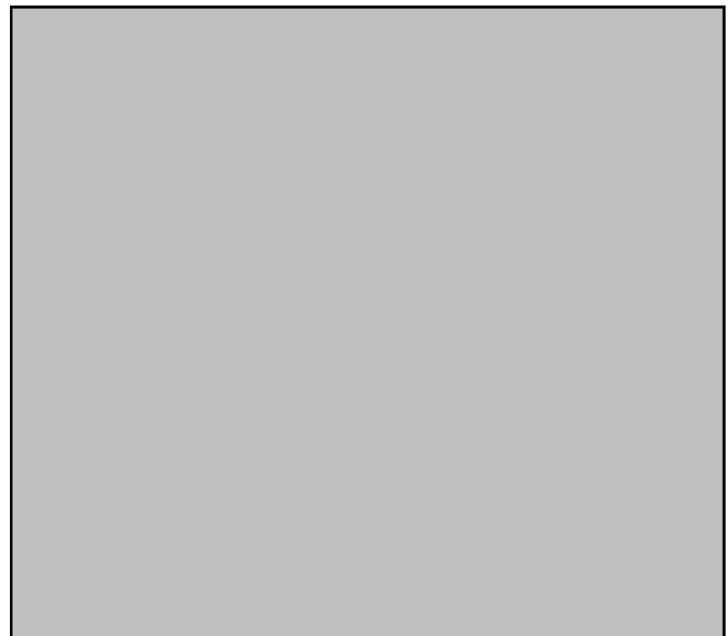


Photo #:

<b>Date:</b>	September 23, 2021	<b>Owner/Client:</b>	New Gold Inc.
<b>Day:</b>	Thursday	<b>Okane Project #:</b>	1003-027
<b>Prepared by:</b>	Blake Weinrauch	<b>Project Location:</b>	Ontario

Number of Pages in Report 3

**Environmental Conditions:**

<u>Morning Conditions</u>		Weather	Clear	Precipitation	0 mm
Temperature (High/Low)	17   12	Humidity	80 to 100%	Wind	Low
<u>Afternoon Conditions</u>		Weather	Clear	Precipitation	0 mm
Temperature (High/Low)	21   17	Humidity	20 to 40%	Wind	Low

**General Comments**

P29, L2:

- Low spot present near the crest of the lift was filled with suitable CCL material
- Upper 80% of lift was able to be compacted and tested. Results proved satisfactory and the upper portion of the lift was approved
- Bottom 20% of the lift too wet to compact. Operator completed track compaction to aid in drying of the lift. The bottom portion of P29, L2 will be compacted and tested separately once sufficient drying has occurred
- Due to difficulty of sourcing material for L3 and lack of operators, L2 will be unable to be covered within 24 hours. Dessication and drying may occur and scraping of dry material may be necessary before placement of L3
- Lift surveyed and thickness approved by Tulloch

P29, L3:

- Material sourced from stockpiles present at the crest. The material appeared dark brown with light brown streaks and a very high quantity of both large and small rock. Okane requested all oversize rock is removed prior to placement to provide a sufficient growth medium and prevent damage to the CCL during track compaction

General:

- Mine Ops continued slope rework north of P29.

CQA Representative:

<original signed by>

Issue #	Description	Location	Resolution	Monitor	Status
1	Increased amounts of oversize rock found in CCL	P01-P07	Oversize is to be removed by the excavator pre-emptively in the piles prior to placement. Remaining rock to be removed by the dozer during	Yes	Closed
2	Gaps in Tulloch placement map	P05-P06	More of an optics issue opposed to a quality concern. Tulloch informed and the issue was corrected moving forward.	Yes	Closed
3	Large amounts of dry material located in piles	P08-P15 P23-24	Mixing and blending of dry material with moist material or removal of dry material if abundant.	Yes	Closed
4	Issue with waste rock surface beneath the stockpiles	P16-P29	When identified the material in the area has been removed if necessary for Tulloch to reshoot the waste rock and update the waste rock surface.	Yes	Closed
				-	-

**PHOTOGRAPHS**

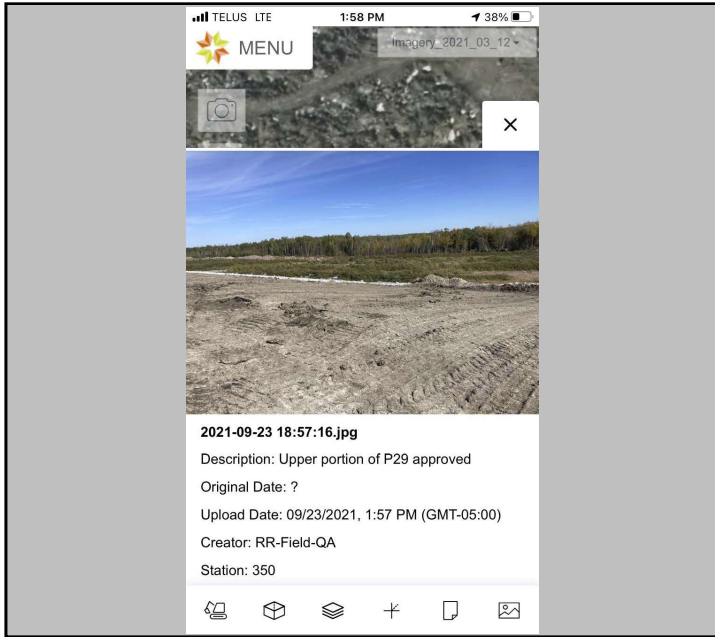


Photo #: 1

Upper portion of P29 L2 approved

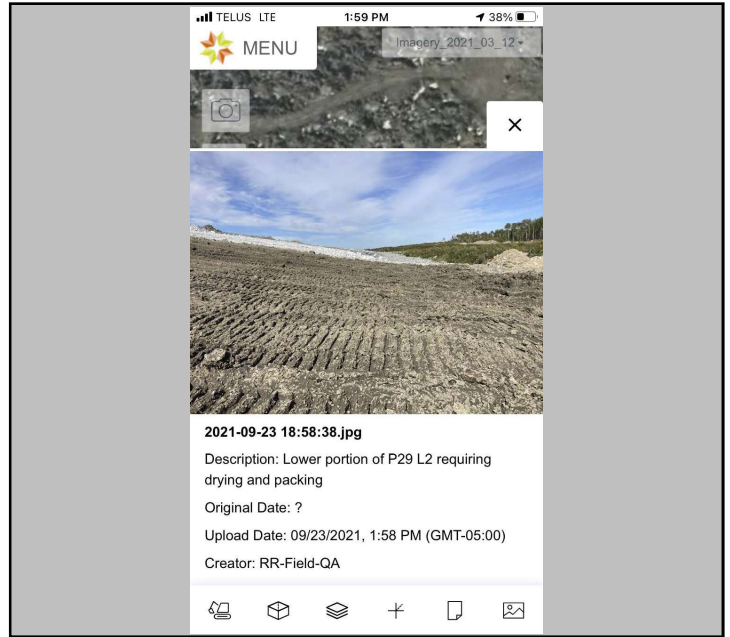


Photo #: 2

Lower portion of P29 L2 still requiring drying, packing, and testing

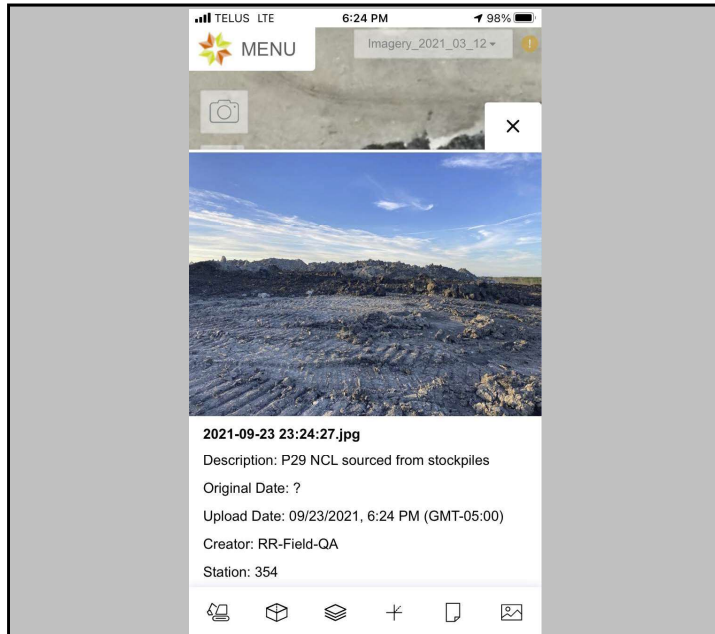


Photo #: 3

P29 L3 material sourced from stockpiles



Photo #:

<b>Date:</b>	September 24, 2021	<b>Owner/Client:</b>	New Gold Inc.
<b>Day:</b>	Friday	<b>Okane Project #:</b>	1003-027
<b>Prepared by:</b>	Blake Weinrauch	<b>Project Location:</b>	Ontario

Number of Pages in Report 3

**Environmental Conditions:**

<u>Morning Conditions</u>		Weather	Fair	Precipitation	0 mm
Temperature (High/Low)	15   10	Humidity	40 to 60%	Wind	Low
<u>Afternoon Conditions</u>		Weather	Clear	Precipitation	0 mm
Temperature (High/Low)	17   15	Humidity	20 to 40%	Wind	Low

**General Comments**

P29, L2:  
 - Bottom 20% of the lift ready for compaction and testing in the morning.  
 - Inability to cover entire lift with L3 resulted in drying and dessication of half of the lift .Will need to be skimmed by the dozer before placing L3

P29, L3:  
 - Material sourced from stockpiles present at the crest. The material appeared dark brown with light brown streaks and a very high quantity of both large and small rock. Okane requested all oversize rock is removed prior to placement to provide a sufficient growth medium and prevent damage to the CCL during track compaction  
 -Material placed at reduced thickness in order to try to cover as much of L2 as possible.

CQA Representative:

<original signed by>

Issue #	Description	Location	Resolution	Monitor	Status
1	Increased amounts of oversize rock found in CCL	P01-P07	Oversize is to be removed by the excavator pre-emptively in the piles prior to placement. Remaining rock to be removed by the dozer during	Yes	Closed
2	Gaps in Tulloch placement map	P05-P06	More of an optics issue opposed to a quality concern. Tulloch informed and the issue was corrected moving forward.	Yes	Closed
3	Large amounts of dry material located in piles	P08-P15 P23-24	Mixing and blending of dry material with moist material or removal of dry material if abundant.	Yes	Closed
4	Issue with waste rock surface beneath the stockpiles	P16-P29	When identified the material in the area has been removed if necessary for Tulloch to reshoot the waste rock and update the waste rock surface.	Yes	Closed
				-	-

**PHOTOGRAPHS**

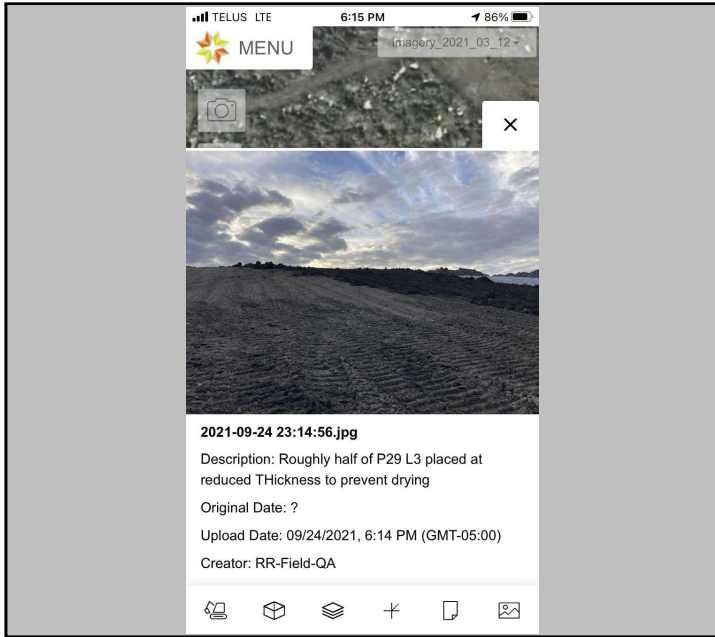


Photo #: 1

Photo #:

P29 L3 placed at reduced thickness across half of L2



Photo #:

Photo #:



Duplicate Page

<b>Date:</b>	September 25, 2021	<b>Owner/Client:</b>	New Gold Inc.
<b>Day:</b>	Saturday	<b>Okane Project #:</b>	1003-027
<b>Prepared by:</b>	Blake Weinrauch	<b>Project Location:</b>	Ontario

Number of Pages in Report 3

**Environmental Conditions:**

<u>Morning Conditions</u>		Weather	Fair	Precipitation	0 mm
Temperature (High/Low)	15   9	Humidity	40 to 60%	Wind	Low
<u>Afternoon Conditions</u>		Weather	Fair	Precipitation	0 mm
Temperature (High/Low)	17   15	Humidity	20 to 40%	Wind	Low

**General Comments**

P29, L2:  
 - Bottom 20% of the lift had dried sufficiently and was packed and tested in the morning. Results were satisfactory and the section of the lift was approved.  
 - Half of the lift had sat exposed to the wind and sun and showed signs of extreme dessication. The recommendation was made to strip the dessicated clay and blend it with more moist material. This section of the lift was stripped, graded, and re-packed. One test was completed to ensure that the lift still met compaction and moisture content specifications, and this section of the lift was re-approved.  
 - Tulloch confirmed the thickness was acceptable on the area of dessication that was re-worked.

P29, L3:  
 - Material sourced from stockpiles present at the crest. L3 material appeared dark brown with a moderate amount of light brown siltier material and rock.  
 - The lift was able to completely cover L2, and was awaiting final grading at the end of the day.

CQA Representative:

<original signed by>

Issue #	Description	Location	Resolution	Monitor	Status
1	Increased amounts of oversize rock found in CCL	P01-P07	Oversize is to be removed by the excavator pre-emptively in the piles prior to placement. Remaining rock to be removed by the dozer during	Yes	Closed
2	Gaps in Tulloch placement map	P05-P06	More of an optics issue opposed to a quality concern. Tulloch informed and the issue was corrected moving forward.	Yes	Closed
3	Large amounts of dry material located in piles	P08-P15 P23-24	Mixing and blending of dry material with moist material or removal of dry material if abundant.	Yes	Closed
4	Issue with waste rock surface beneath the stockpiles	P16-P29	When identified the material in the area has been removed if necessary for Tulloch to reshoot the waste rock and update the waste rock surface.	Yes	Closed
				-	-

**PHOTOGRAPHS**

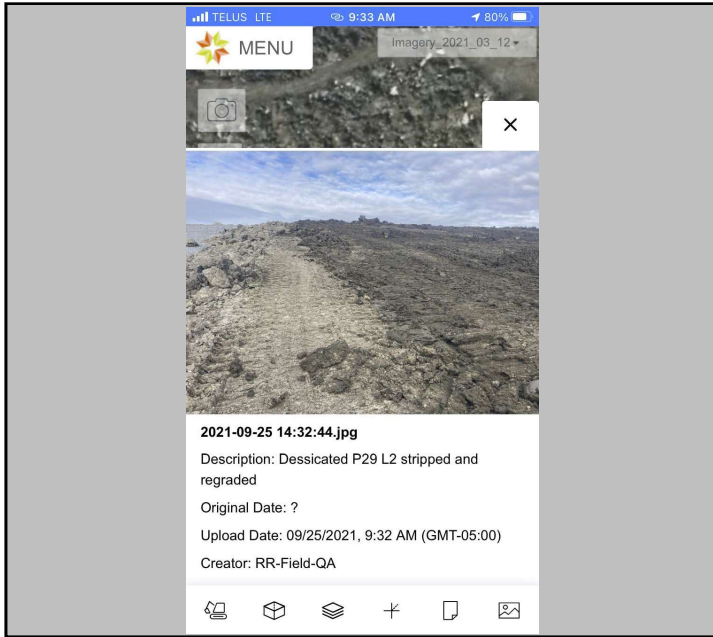


Photo #: 1

Dessicated P29 L2 stripped and regraded

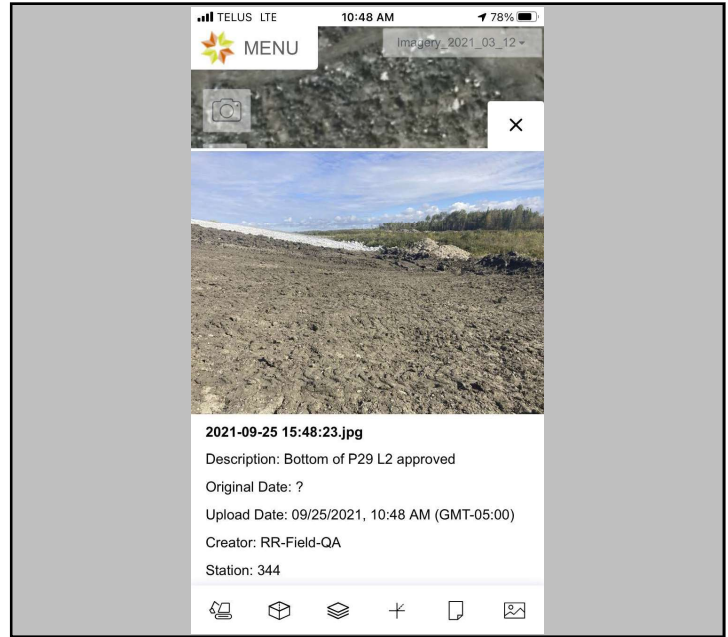


Photo #: 2

Bottom of P29 L2 approved

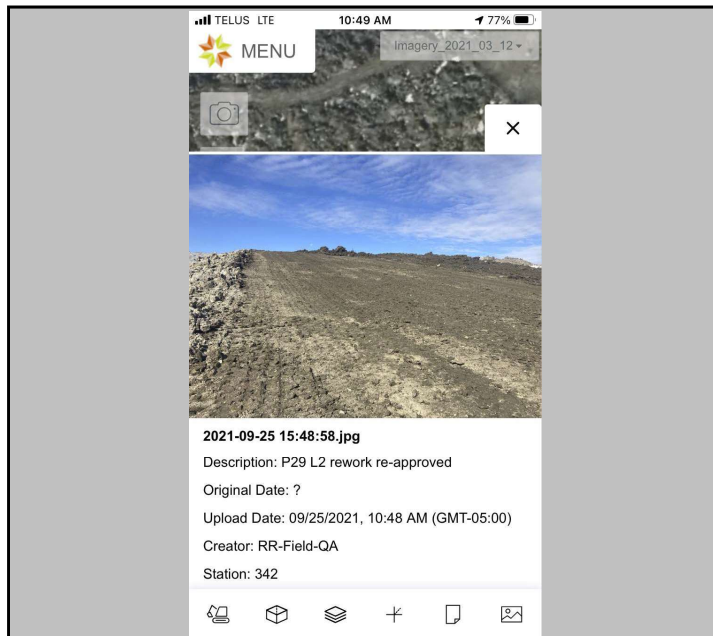


Photo #:

P29 L2 rework re-approved

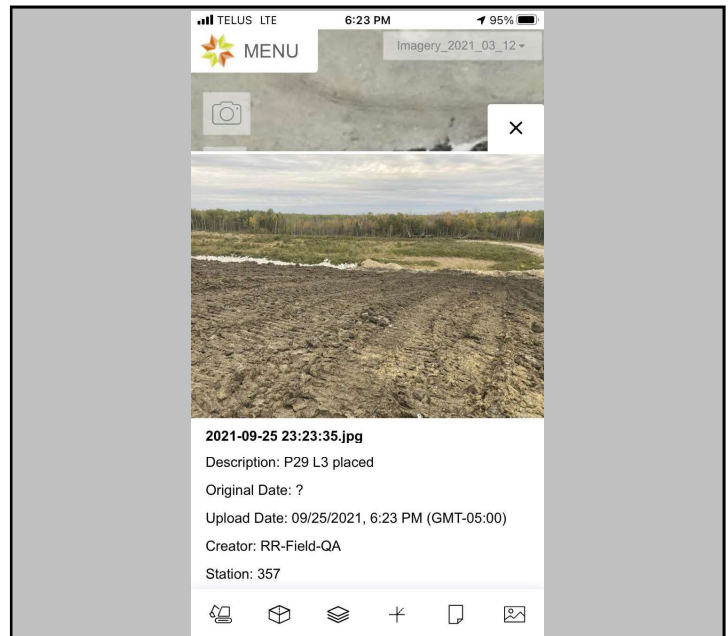


Photo #: 4

P29 L3 placed

<b>Date:</b>	September 26, 2021	<b>Owner/Client:</b>	New Gold Inc.
<b>Day:</b>	Sunday	<b>Okane Project #:</b>	1003-027
<b>Prepared by:</b>	Blake Weinrauch	<b>Project Location:</b>	Ontario

Number of Pages in Report 3

**Environmental Conditions:**

<u>Morning Conditions</u>		Weather	Fair	Precipitation	0 mm
Temperature (High/Low)	14   12	Humidity	20 to 40%	Wind	Low
<u>Afternoon Conditions</u>		Weather	Clear	Precipitation	0 mm
Temperature (High/Low)	21   14	Humidity	20 to 40%	Wind	Moderate

**General Comments**

P29, L3:  
 - Material sourced from stockpiles present at the crest. L3 material appeared dark brown with a moderate amount of light brown siltier material and rock.  
 - Tulloch surveyed lift and confirmed adequate thickness.

P29, L4:  
 - NCL material sourced from crest ahead of P29 to avoid future removal of unsuitable CCL material.  
 - Material appeared dark brown with some patches of lighter brown material, and a large quantity of rock. Suitable NCL material

CQA Representative:

<original signed by>

Issue #	Description	Location	Resolution	Monitor	Status
1	Increased amounts of oversize rock found in CCL	P01-P07	Oversize is to be removed by the excavator pre-emptively in the piles prior to placement. Remaining rock to be removed by the dozer during	Yes	Closed
2	Gaps in Tulloch placement map	P05-P06	More of an optics issue opposed to a quality concern. Tulloch informed and the issue was corrected moving forward.	Yes	Closed
3	Large amounts of dry material located in piles	P08-P15 P23-24	Mixing and blending of dry material with moist material or removal of dry material if abundant.	Yes	Closed
4	Issue with waste rock surface beneath the stockpiles	P16-P29	When identified the material in the area has been removed if necessary for Tulloch to reshoot the waste rock and update the waste rock surface.	Yes	Closed
				-	-

PHOTOGRAPHS

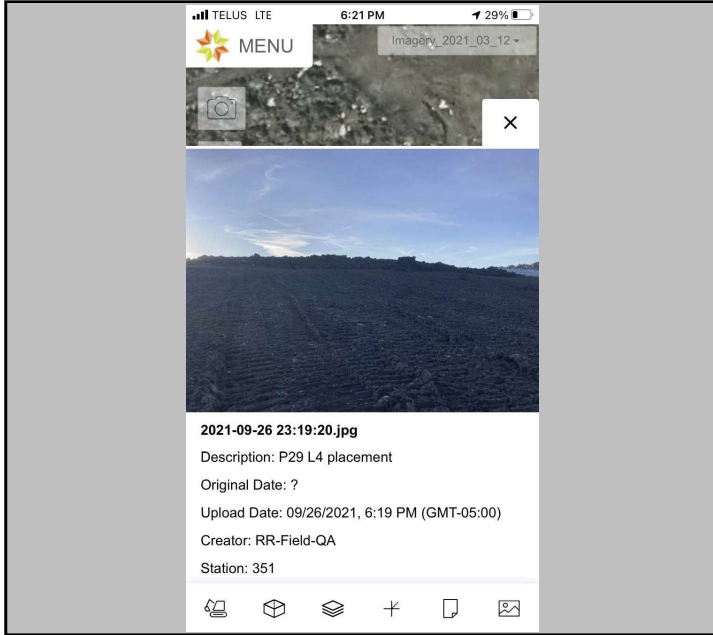


Photo #: 1

Dessicated P29 L4 placement

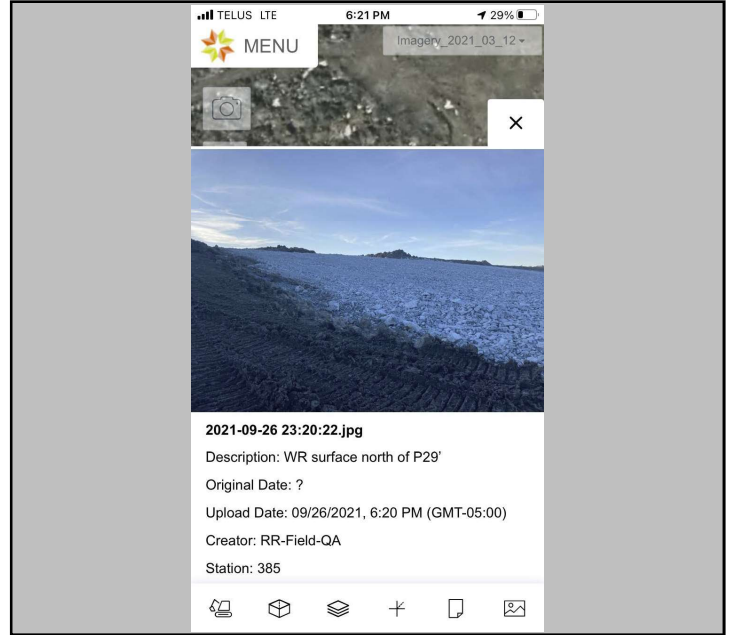


Photo #: 2

Waste rock surface north of P29

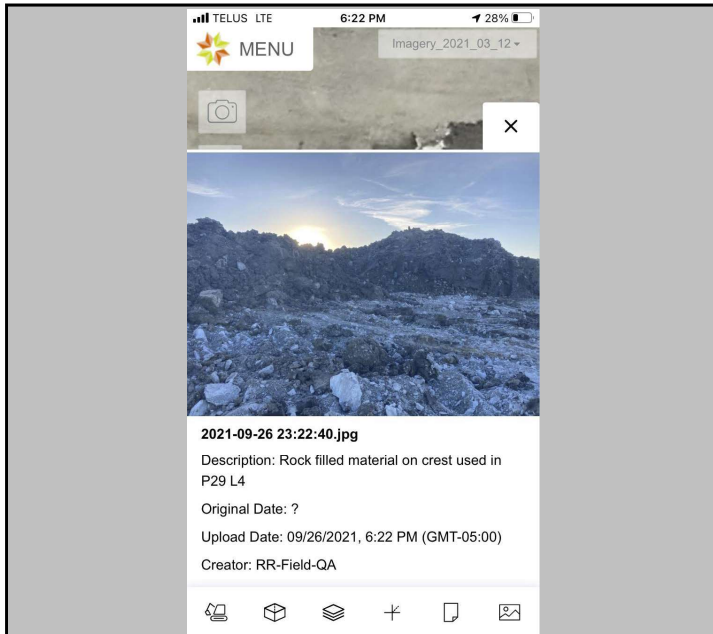


Photo #: 3

Rock filled material on crest used in P29 L4



Photo #:

<b>Date:</b>	September 27, 2021	<b>Owner/Client:</b>	New Gold Inc.
<b>Day:</b>	Monday	<b>Okane Project #:</b>	1003-027
<b>Prepared by:</b>	Blake Weinrauch	<b>Project Location:</b>	Ontario

Number of Pages in Report 3

**Environmental Conditions:**

<u>Morning Conditions</u>		Weather	Clear	Precipitation	0 mm
Temperature (High/Low)	18   5	Humidity	80 to 100%	Wind	Low
<u>Afternoon Conditions</u>		Weather	Clear	Precipitation	0 mm
Temperature (High/Low)	23   18	Humidity	20 to 40%	Wind	Low

**General Comments**

P29, L4:

- NCL material sourced from stockpiles near P29
- Material appeared dark brown with some patches of lighter brown material, and a large quantity of rock. Suitable NCL material
- Lift will be surveyed and thickness will be conformed by Tulloch survey following day

General:

- EMRS21\_BP\_P27\_L2\_B25\_210927 installed and wet up
- EMRS21\_BP\_P28\_L2\_B26\_210927 installed and wet up
- EMRS construction season ended

CQA Representative:

<original signed by>

Issue #	Description	Location	Resolution	Monitor	Status
1	Increased amounts of oversize rock found in CCL	P01-P07	Oversize is to be removed by the excavator pre-emptively in the piles prior to placement. Remaining rock to be removed by the dozer during	Yes	Closed
2	Gaps in Tulloch placement map	P05-P06	More of an optics issue opposed to a quality concern. Tulloch informed and the issue was corrected moving forward.	Yes	Closed
3	Large amounts of dry material located in piles	P08-P15 P23-24	Mixing and blending of dry material with moist material or removal of dry material if abundant.	Yes	Closed
4	Issue with waste rock surface beneath the stockpiles	P16-P29	When identified the material in the area has been removed if necessary for Tulloch to reshoot the waste rock and update the waste rock surface.	Yes	Closed
				-	-

PHOTOGRAPHS

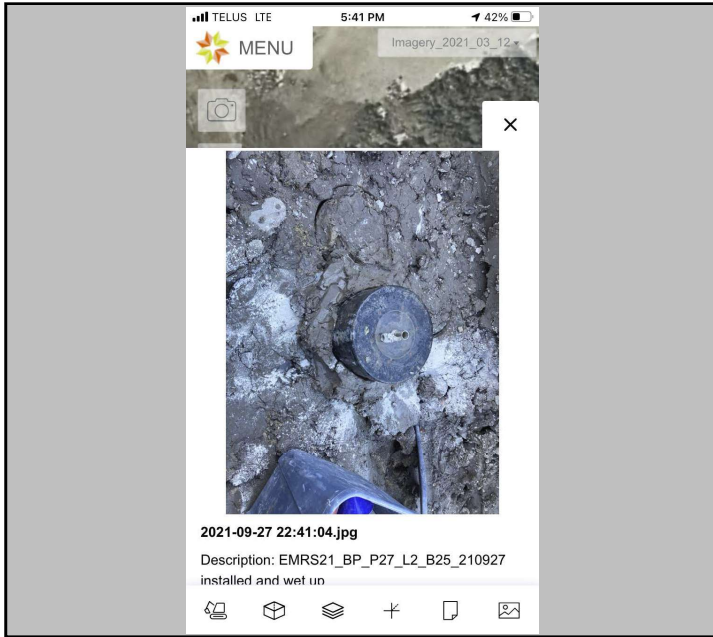


Photo #: 1

Borehole permeameter B25 installed and wet up

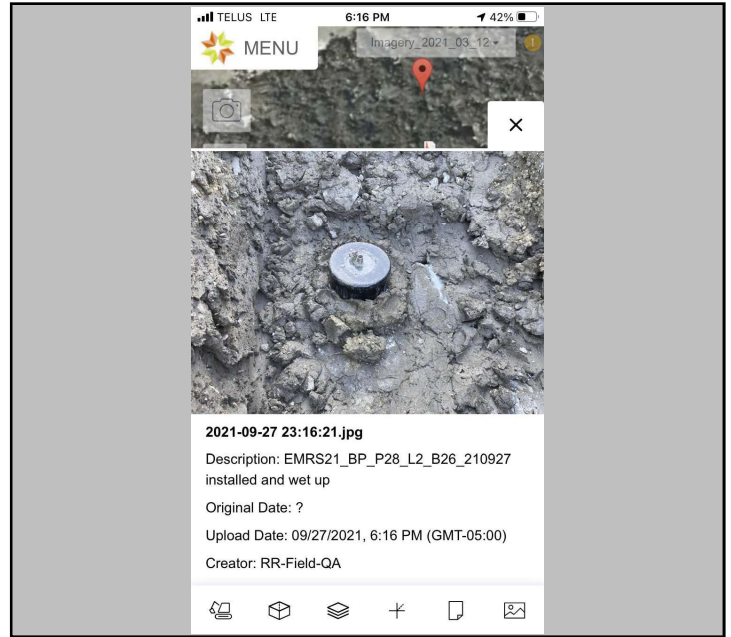


Photo #: 2

Borehole permeameter B26 installed and wet up

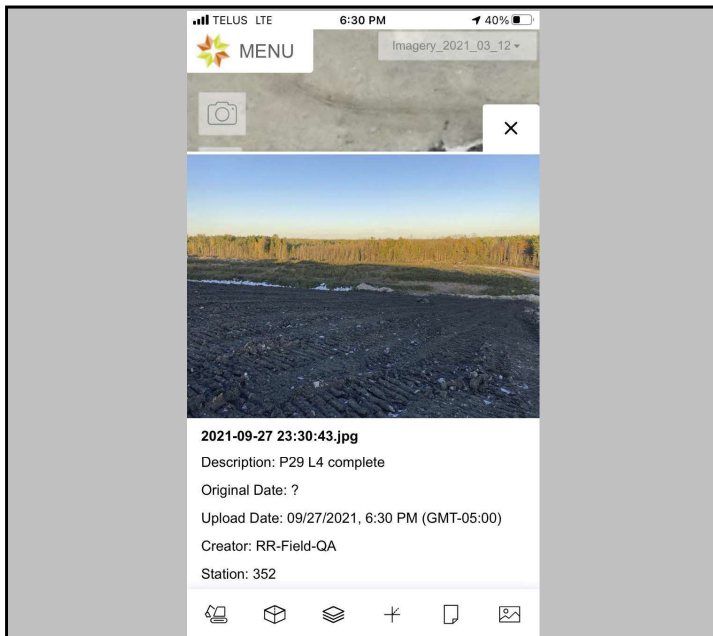


Photo #: 3

P29 L4 completed

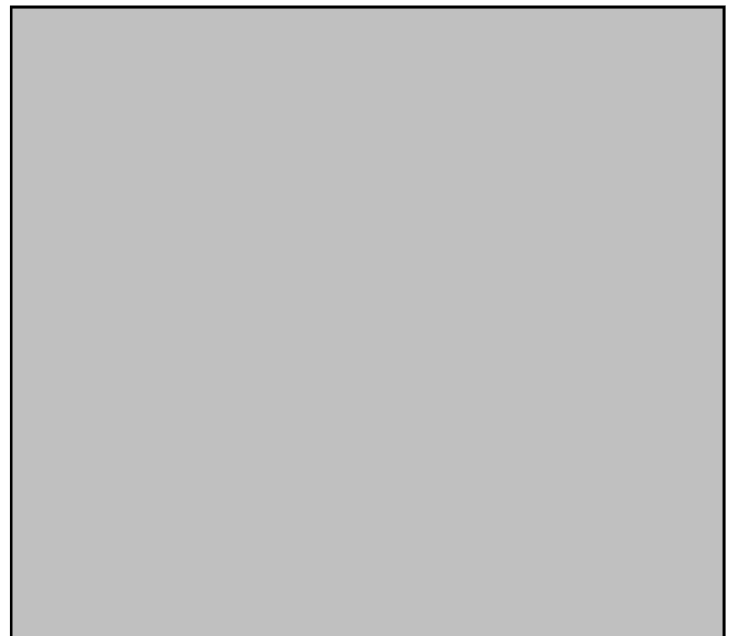


Photo #:

<b>Date:</b>	October 2, 2021	<b>Owner/Client:</b>	New Gold Inc.
<b>Day:</b>	Saturday	<b>Okane Project #:</b>	1003-027
<b>Prepared by:</b>	Brady Hay	<b>Project Location:</b>	Ontario

Number of Pages in Report 4

**Environmental Conditions:**

<u>Morning Conditions</u>		Weather	Cloudy	Precipitation	0 mm
Temperature (High/Low)	16   14	Humidity	80 to 100%	Wind	Low
<u>Afternoon Conditions</u>		Weather	Cloudy	Precipitation	0 mm
Temperature (High/Low)	18   16	Humidity	60 to 80%	Wind	Low

**General Comments**

P27:

- Area of raised material at toe identified and removed to achieve adequate drainage while the excavator was in the area filling in borehole excavations.

General:

- Spoke with Ted Linley to discuss the final heat map. An updated final heat map was requested which reflects the investigation of six red areas on panels three and four on July 23, 2021 (red spots eliminated).
- Boreholes EMRS21\_BP\_P27\_L2\_B25\_210927 and EMRS21\_BP\_P28\_L2\_B26\_210927 were concluded and removed. The exposed CCL was inspected for desiccation and filled in by the excavator.
- Okane borehole equipment and instrumentation was stored in the admin building chair office as discussed with Garnet Cornell.
- Okane off site.

CQA Representative:

<original signed by>

Issue #	Description	Location	Resolution	Monitor	Status
1	Increased amounts of oversize rock found in CCL	P01-P07	Oversize is to be removed by the excavator pre-emptively in the piles prior to placement. Remaining rock to be removed by the dozer during	Yes	Closed
2	Gaps in Tulloch placement map	P05-P06	More of an optics issue opposed to a quality concern. Tulloch informed and the issue was corrected moving forward.	Yes	Closed
3	Large amounts of dry material located in piles	P08-P15 P23-24	Mixing and blending of dry material with moist material or removal of dry material if abundant.	Yes	Closed
4	Issue with waste rock surface beneath the stockpiles	P16-P29	When identified the material in the area has been removed if necessary for Tulloch to reshoot the waste rock and update the waste rock surface.	Yes	Closed
				-	-

**PHOTOGRAPHS**

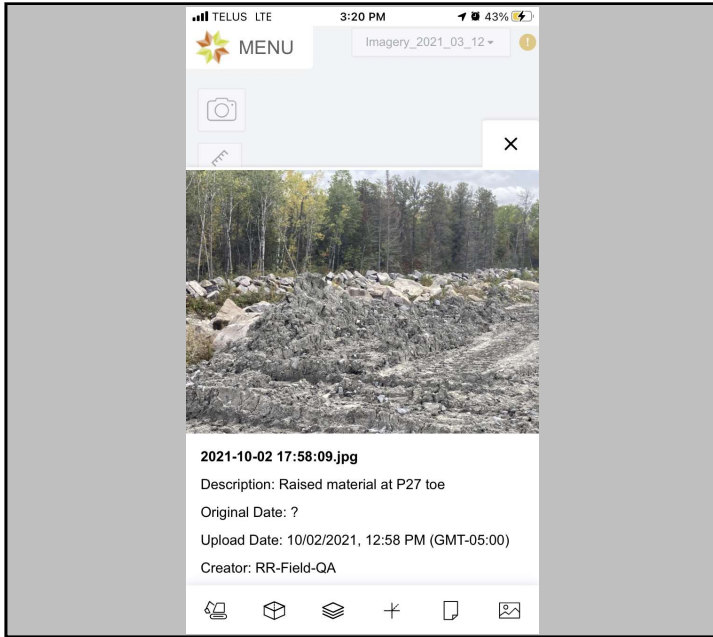


Photo #: 1

Raised material at P27 toe

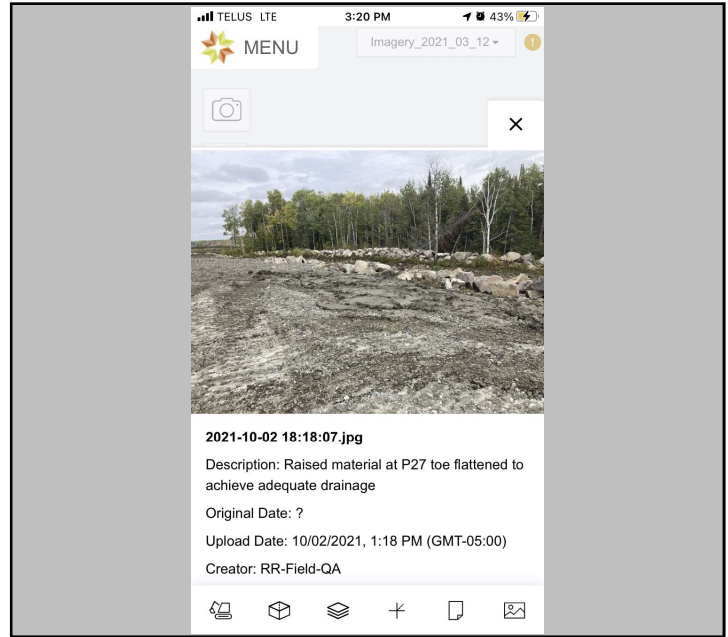


Photo #: 2

Raised material at P27 toe flattened to acheive adequate drainage

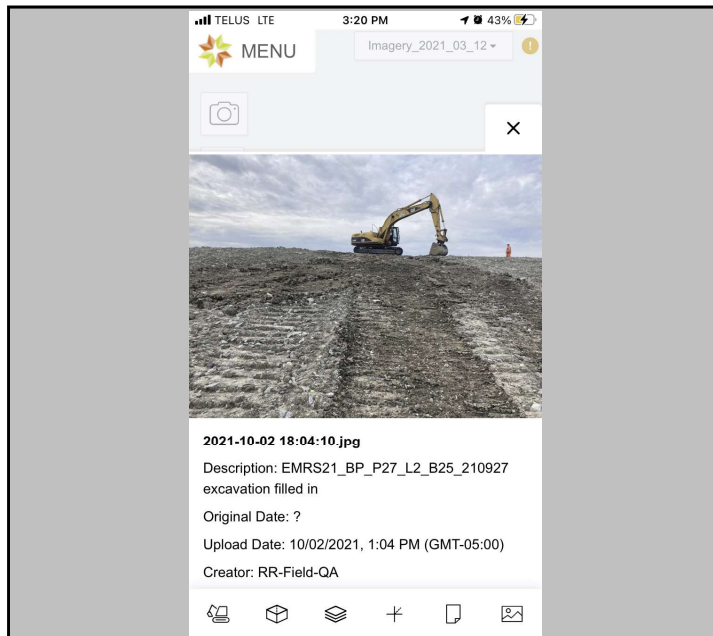


Photo #: 3

EMRS21\_BP\_P27\_L2\_B25\_210927 excavation filled in

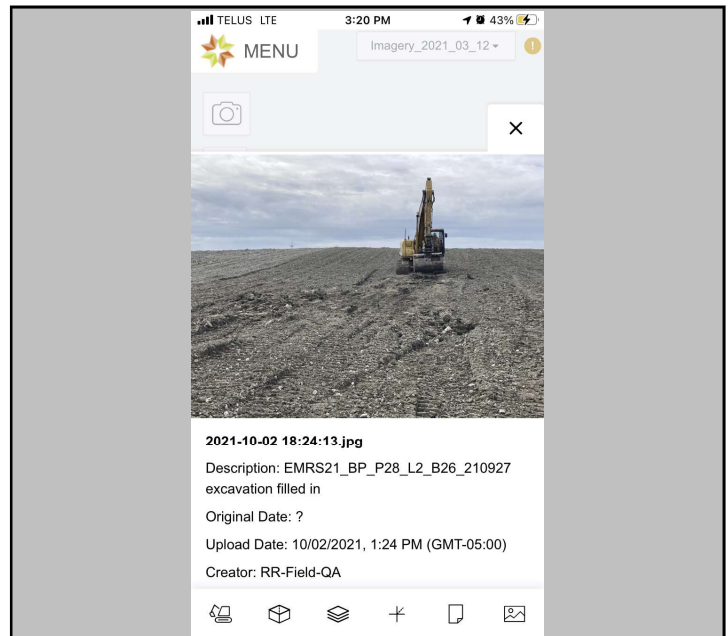


Photo #: 4

EMRS21\_BP\_P28\_L2\_B26\_210927 excavation filled in

**PHOTOGRAPHS**



Photo #:



Photo #:



Photo #:



Photo #:

## **Appendix F**

### **Document Naming Convention**



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Canada

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# Memorandum

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**To:** Jason Bell – Project Manager, New Gold

**From:** Janna Lutz, Project Coordinator

**Cc:** Garnet Cornell, Travis Pastachak, Brent McFarlane, Garry Noga, Valence Allen, Michael Risi – New Gold; Mark Tulloch, Ted Linley, Brysin Shaw, Martin Moore, Josh Smith – Tulloch

**Our ref:** 1003-027

**Date:** June 2, 2021

**Re:** **EMRS Progressive Reclamation / Document Naming Convention Rev2**

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In anticipation of the volume of documents to be produced over the course of the construction season, Okane proposes the following common naming convention for documents to facilitate organization, and streamline data filtering. Organizing document names in this way will enable advanced search functions in Infrakit, generate consistency, and order documents logically in folder storage. Where possible, the proposed convention utilizes data naming styles already in use.

While most elements are similar to the various naming conventions currently in use – the addition of panel code is proposed. By tracking and naming discrete panel sections, it will be easier for all parties to reference sections of the cover system construction. For the purposes of document naming, a panel will consist of all four lifts of material placed together in one section, and the adjacent key-in area.

## Common Naming Convention

The general premise of document names will be:

**Project Code\_Report Type\_ [Panel Code\_Lift Code\_Sample/Density ID(s)](s)\_YYMMDD**

Project Code
EMRS21

Report Type
AT – Atterberg lab result
BP – borehole permeameter record
DA – daily report
DE – density report
DI – excel diary sheet
HE – heat map
HY – hydrometer lab result
MC – moisture content lab result
PL– placement map
PR – proctor lab result
QA – quality assurance audit report

Panel Code
<b>P##</b> –panel number of the 2021 construction season (consists of all 4 lifts and adjacent key-in area) <i>Will be tracked sequentially (i.e. first panel would be P1, second would be P2, etc.)</i>
ST – referring to any stockpile

Lift Code
L1 – Lift one of the CCL
L2 – Lift two of the CCL
L3 – Lift one of the NCL
L4 – Lift two of the NCL
CCL – comprising of lifts 1 and 2 <i>(for use in naming heat map only)</i>
NCL – comprising of lifts 3 and 4 <i>(for use in naming heat map only)</i>

Sample/Density ID
<b>B##</b> - number assigned to the borehole test <i>(each borehole test is assigned a unique test number)</i>
<b>D###</b> - number assigned to the density test <i>(each density test is assigned a unique test number)</i>
<b>S####</b> - number assigned to the sample location <i>(many sample types may be taken at one location)</i>

Note however, not all identifiers are needed or applicable to all documents. Specific formats and examples for each document type are outlined below.

## Daily Report, Excel Diary Report, QA Report

### Location Year Code\_Report Type\_ Panel Code(s)\_YMMDD

Examples)

A report completed May 19, 2021 on the first panel of the season would be named:

**EMRS21\_DA\_P01\_210519** (daily report)

**EMRS21\_DI\_P01\_201519** (excel diary report)

**EMRS21\_QA\_P01\_201519** (quality assurance audit report)

If the same daily or diary report was associated with construction activities relating to the completion of the first panel and start of the second, it would be named:

**EMRS 21\_DA\_P01\_P02\_210519** (daily report)

**EMRS 21\_DI\_P01\_P02\_210519** (excel diary report)

If information in the report was not associated with a specific panel – standby day or stockpile sampling only, etc. it should be named either excluding the panel code or including the panel code that is currently under construction – whichever is most appropriate to the situation. For example, for a rain standby day, it would be appropriate to include the panel code of any panel currently under construction because the conditions will have an influence on the construction methodology for that panel. In contrast, if there are no panels currently under construction, but general stockpile sampling, test pads, or other activities occurred the report could be named without a specific panel code:

Rain standby:

**EMRS21\_DA\_P01\_210519** (daily report)

**EMRS21\_DI\_P01\_210519** (excel diary report)

Stockpile sampling, test pads, or other non-panel specific activities:

**EMRS21\_DA\_210519** (daily report)

**EMRS21\_DI\_210519** (excel diary report)

## Density Report

**Location Year Code\_Report Type\_ [Panel Code\_Lift Code\_ Sample/Density ID(s)](s)\_YYMMDD**

Examples)

A report completed May 19, 2021 on the first panel of the season including *test numbers* 110, and 111 on Lift 1 and 112, 113 and 114 on Lift 2 would be named:

**EMRS21\_DE\_P01\_L1\_D110-D111\_L2\_D112-D114\_210519**

A report completed May 19, 2021 that included *test numbers* 115 and 116 on Lift 2 of Panel 1 and 117 of Lift 1 on Panel 2 would be named:

**EMRS21\_DE\_P01\_L2\_D115-D116\_P02\_L1\_D117\_210519**

## Lab Results

**Project Code\_Report Type\_ [Panel Code\_Lift Code\_ Sample/Density ID(s)](s)\_YYMMDD**

Examples)

Lab results for Atterberg testing conducted on a sample *collected* on May 19, 2021 on Panel 1, Lift 1, at *sample location* 111 would be named:

**EMRS21\_AT\_P01\_L1\_S111\_210519**

Lab results for moisture content testing conducted on samples *collected* on May 19, 2021 on Panel 1, Lift 1 at *sample locations* 112 and 113 would be named:

**EMRS21\_MC\_P01\_L1\_S112-S113\_210519**

Lab results for proctor testing conducted on samples *collected* on May 19, 2021 on Panel 1, Lift 2, location 114 and Panel 2, Lift 1 *sample location* 115 would be named:

**EMRS21\_PR\_P01\_L2\_S114\_P02\_L1\_S115\_210519**

Lab results for hydrometer testing conducted on samples *collected* on May 19, 2021 on several different stockpile *sample locations* (116, 117, 118) would be named:

**EMRS21\_HY\_ST\_S116-S118\_210519**

## Borehole Permeameter Report

**Location Year Code\_Report Type\_ [Panel Code\_Lift Code\_ Sample/Density ID(s)](s)\_YYMMDD**

Examples)

A report completed May 19, 2021 on the first panel of the season including *test number* 1 on Lift 1 would be named:

**EMRS21\_BP\_P01\_L1\_B01\_210519**

## Placement Map

**Project Code\_Report Type\_YYMMDD**

Examples)

A placement map for May 19, 2021 would be named:

**EMRS21\_PL\_210519**

## Heat Map

**Project Code\_Report Type\_Lift Code\_YYMMDD**

Examples)

A heat thickness map for May 19, 2021 describing CCL thicknesses would be named:

**EMRS21\_HE\_CCL\_210519**

A heat thickness map for May 19, 2021 describing NCL thicknesses would be named:

**EMRS21\_HE\_NCL\_210519**

It is anticipated that the common use of a naming convention will simplify document control for all parties and improve efficiency on the project.

We trust information provided in this memorandum is satisfactory for your requirements. Please do not hesitate to contact me at (780) 881-3772 or [jlutz@okc-sk.com](mailto:jlutz@okc-sk.com) should you have any questions or comments.

## **Appendix G**

### **EMRS Hydraulic Conductivity Non-Compliance**

# Memorandum

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**To:** Travis Pastachak – Capital Projects Manager, New Gold

**From:** Tara Tuchiwsky, Senior Engineer

**Cc:** Garry Noga, Garnet Cornell, Valence Allen, Brent McFarlane – New Gold; Dave Christensen, Hal Cooper – Okane; Matt McKeown – Okane

**Our ref:** 1003-027

**Date:** November 22, 2021

**Re:** **EMRS Hydraulic Conductivity - Non-Compliance (Panel 23)**

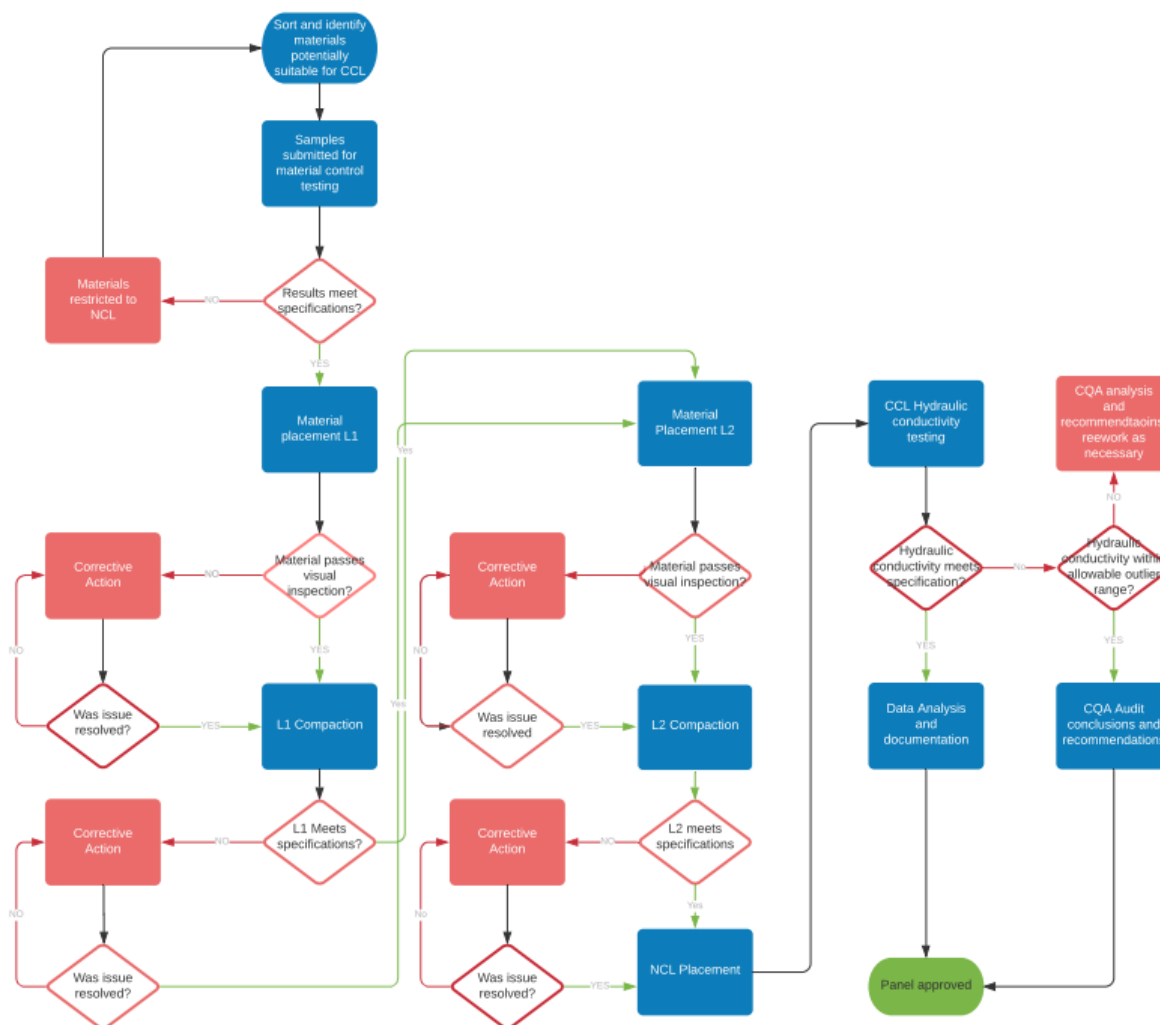
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New Gold Inc. (New Gold) is progressively reclaiming the lower bench slopes of the Rainy River Mine East Mine Rock Stockpile (EMRS). The EMRS is built of potentially acid generating (PAG) rock, and the enhanced store and release cover system for the EMRS consists of a barrier layer overlain by a growth medium designed to limit net percolation (NP) and control oxygen (O<sup>2</sup>) ingress to the rock below. The material used in construction of the cover system is sourced from the open pit with subsequent Quality Control (CQC) being conducted by Tulloch Engineering (Tulloch) and Quality Assurance (CQA) being completed by Okane Consultants (Okane). This memorandum summarizes circumstances surrounding a failed hydraulic conductivity test on the Northeast corner of the EMRS, lessons learned, and provides a recommended path forward.

## Issue – Failed Hydraulic Conductivity Test

In-situ hydraulic conductivity testing of the compacted clay layer (CCL) is used as a metric for final approval of each panel. A flow chart presenting a generalized work flow for panel approval is provided in Figure 1. Borehole permeameters are used to measure field saturated hydraulic conductivity ( $K_{fs}$ ) at

locations selected by CQA based on potential issues identified by CQA or CQC personnel during construction.



**Figure 1: Panel approval process.**

The Northeast corner of the EMRS, Panel 23 (2+085 – 2+055) was flagged for hydraulic conductivity testing due to the material being sourced from multiple locations, concerns over the quality of the material in areas of the second stockpile location, and low moisture contents obtained during field testing of the second lift of the CCL (L2). Figure 2 illustrates the location of Panel 23. During the construction of Panel 23 (P23), L2 material was sourced from a new location within the stockpiled borrow source (Station: 1+404.4, O/S: -794.7) west of EMRS21-PR-ST-S404-210805. The material from this new location appeared drier with an increased amount of rock. Construction was halted while CQA, CQC, and New Gold met to inspect the new borrow area after concerns over the quality of the material were brought up by both Okane and Tulloch. After a brief meeting the decision was made by New Gold to return to

the previous borrow location (used for P23, L1) to utilize the remaining material. Approximately one third of the lift was constructed with material from the new location.



**Figure 2: EMRS Panel 23 plan view.**

Infrakit - 2021

Borehole permeameter EMRS21\_BP\_P23\_L2\_B22\_210826 was installed on August 26<sup>th</sup> at the location of D365 (Station: 2+071.3, O/S: -52.7). The test did not result in a  $K_{fs}$  lower than the target value of  $1E-09$  m/s. Given the mean  $k_{fs}$  of  $2E-09$  m/s over the duration of the test was below the maximum allowable value of  $5E-09$  m/s, an additional test was installed on the panel to confirm the result as per the procedure outline in the EMRS Cover System Construction Operational Handbook<sup>1</sup>. Borehole permeameter EMRS21\_BP\_P23\_L2\_B24\_210905 was installed on September 5<sup>th</sup> approximately 3 m from the initial test area of EMRS21\_BP\_P23\_L2\_B22\_210826. Results of this test were consistent with the first one, with an average  $k_{fs}$  of  $2E-09$  m/s.

<sup>1</sup> Okane Consultants Inc. 2020. EMRS Cover Construction Operational Handbook – Rev1. Okane Report No. 1003-019-003. Prepared for New Gold Inc. December 22, 2020.

## Analysis

A number of potential causes were examined in relation to the higher-than-expected  $K_{fs}$  measurements on P23.

- Material Suitability
  - Okane submitted a sample (S416) collected from L2 adjacent to D365 for detailed testing by P. Machibroda in Saskatoon. Test results indicated the material had clay content of 49% or higher with plasticity indices of 26 and 28 for L1 and L2, respectively. A triaxial hydraulic conductivity test resulted in a measured hydraulic conductivity of  $1.0E-10$  m/s. These results indicate that the material sampled was suitable for inclusion in a CCL to form a barrier layer.
- Compaction Conditions
  - Due to the multiple borrow sources a compaction trial was completed in the upper portion of the lift. The compaction trial showed 97.7% compaction with 2 passes of the roller, 98.6% compaction with 4 passes, and 96.9% compaction with 6 passes. With only a 0.9% increase in compaction from 2 to 4 passes with the roller, 2 passes were deemed adequate for the lift. Field testing for P23, L1 resulted in an average dry density of  $1,590\text{kg/m}^3$  and moisture content of 21.9%. Field testing of P23, L2 resulted in an average dry density of  $1,627\text{ kg/m}^3$  and moisture content of 20.5%. Proctor EMRS21\_PR\_P23\_L2\_S416\_210809 resulted in an optimum dry density of  $1,698\text{ kg/m}^3$  and moisture content of 17.8%.
  - During field testing D366 indicated moisture contents on the low end of specification compared to proctor test S416. At CQA's request the excavator removed the patch of dry material and replaced the excavation with material of a suitable moisture content. In addition to D366, D365 resulted in a lower moisture content of 17.8%. This location was flagged and became the testing spot for the borehole permeameter tests.
- Particle Size Distribution
  - The CCL particle size specification is summarized in Table 1. Although New Gold operators removed observable boulders greater than the maximum allowable size, there is potential that the proportion of cobbles and smaller stones exceeded the specification. A relatively high stone content was noted by Okane during installation of the borehole permeameters.

**Table 1: CCL gradation specification.**

Particle Size (mm)	Coarser Limit (% Passing)	Finer Limit (% Passing)
250	100	100
175	100	95
25	100	95
2	100	70
0.425	100	70
0.063	100	40
0.002	90	10

Source: EMRS Cover Construction Operational Handbook

- Mixed Material Sources
  - It was noted during construction that materials used in the CCL were sourced from multiple locations. The upper portion of the lift consisted of a drier Brenna clay mixture with the lower area consisting of a moist Whitemouth Lake (WML) mixture. The majority of the borrow material was sourced from the area of EMRS21-PR-ST-S404-210805 (Station: 1+404.6, O/S: -639.4) which has a corresponding maximum dry density of 1,716 kg/m<sup>3</sup> and an optimum moisture content of 19.7%. This material appeared to be a brown mixture of dry and moist Brenna material with a moderate amount of stone.
  - A portion of material used in L2 was sourced from an alternative stockpile (Station: 1+404.4, O/S: -794.7) west of EMRS21-PR-ST-S404-210805. The material from this new location appeared drier with an increased amount of rock.

## Outcome and Lessons Learned

Hydraulic conductivity testing of P23 exceeded the specification, but the measured values were well within the allowable tolerance for outliers (half order of magnitude difference) beyond which rework would be required. In total, 17 panels have been tested for hydraulic conductivity with the result for P23 being the first instance of non-compliance (94% compliance). Given that the results were relatively close to the specification and the compliance rate is on pace to meet minimum requirement as stipulated in the Construction Handbook, no rework was required as a result of this non-compliance. An investigation into potential causes of the noncompliance led to the following conclusions:

- Suitable materials were used in construction of the CCL;
- The results of hydraulic conductivity testing highlight the importance of moulding water content, which should be wet of optimum water content. In situ testing provides a means to detect water contents outside of the acceptable zone; however, if materials with a range of optimum water

contents are used in close proximity it may be difficult to detect non-compliance issues prior to hydraulic conductivity testing.

- Monitoring stone inclusion in the CCL is important in maintaining the integrity of the barrier layer. This requires not only removal of oversize particles but monitoring the proportion of stone inclusion. Where higher stone content is observed, CQC personnel should ensure bulk samples are collected to allow for determination of particle size distribution in the entire range of particles sizes represented in Table 1.

We trust information provided in this memorandum is satisfactory for your requirements. Please do not hesitate to contact me at 403 815 0009 or [ttuchiwsky@okc-sk.com](mailto:ttuchiwsky@okc-sk.com) should you have any questions or comments.

## **Appendix H**

### **Infrakit As-Built Reports**



## 2021 Rainy River EMRS CQA

Folder / Model	Total logpoints	Inside tolerance [Avg.err / Max.err]	Under tolerance [Avg.err / Max.err]	Over tolerance [Avg.err / Max.err]	No model
<b>PROJECT SUMMARY</b> No Date Filters used. Logpoints for all dates included. 1 folders selected					
Total As-builts:	5876	5635 95.90% [0.58m / 0.70m]	42 0.71% [-0.26m / -0.40m]	199 3.39% [0.85m / 1.27m]	0 0.00%
Logpoint approvals:	Measured: 5876	Checked: 0	Approved: 0		
<b>ASBUILT POINTS BY FOLDER / FILE</b>					
2021 CCL Construction Tolerance Limits: [0.40 / 0.70]	5876	5635 95.90% [0.58m / 0.70m]	42 0.71% [-0.26m / -0.40m]	199 3.39% [0.85m / 1.27m]	0 0.00%



## 2021 Rainy River EMRS CQA

Folder / Model	Total logpoints	Inside tolerance [Avg.err / Max.err]	Under tolerance [Avg.err / Max.err]	Over tolerance [Avg.err / Max.err]	No model
<b>PROJECT SUMMARY</b> No Date Filters used. Logpoints for all dates included. 1 folders selected					
Total As-builts:	5600	5221 93.23% [1.57m / 1.70m]	237 4.23% [-1.17m / -1.50m]	142 2.54% [1.87m / 2.40m]	0 0.00%
Logpoint approvals:	Measured: 5600	Checked: 0	Approved: 0		
<b>ASBUILT POINTS BY FOLDER / FILE</b>					
2021 NCL Construction Tolerance Limits: [1.50 / 1.70]	5600	5221 93.23% [1.57m / 1.70m]	237 4.23% [-1.17m / -1.50m]	142 2.54% [1.87m / 2.40m]	0 0.00%



**For further information contact:**

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